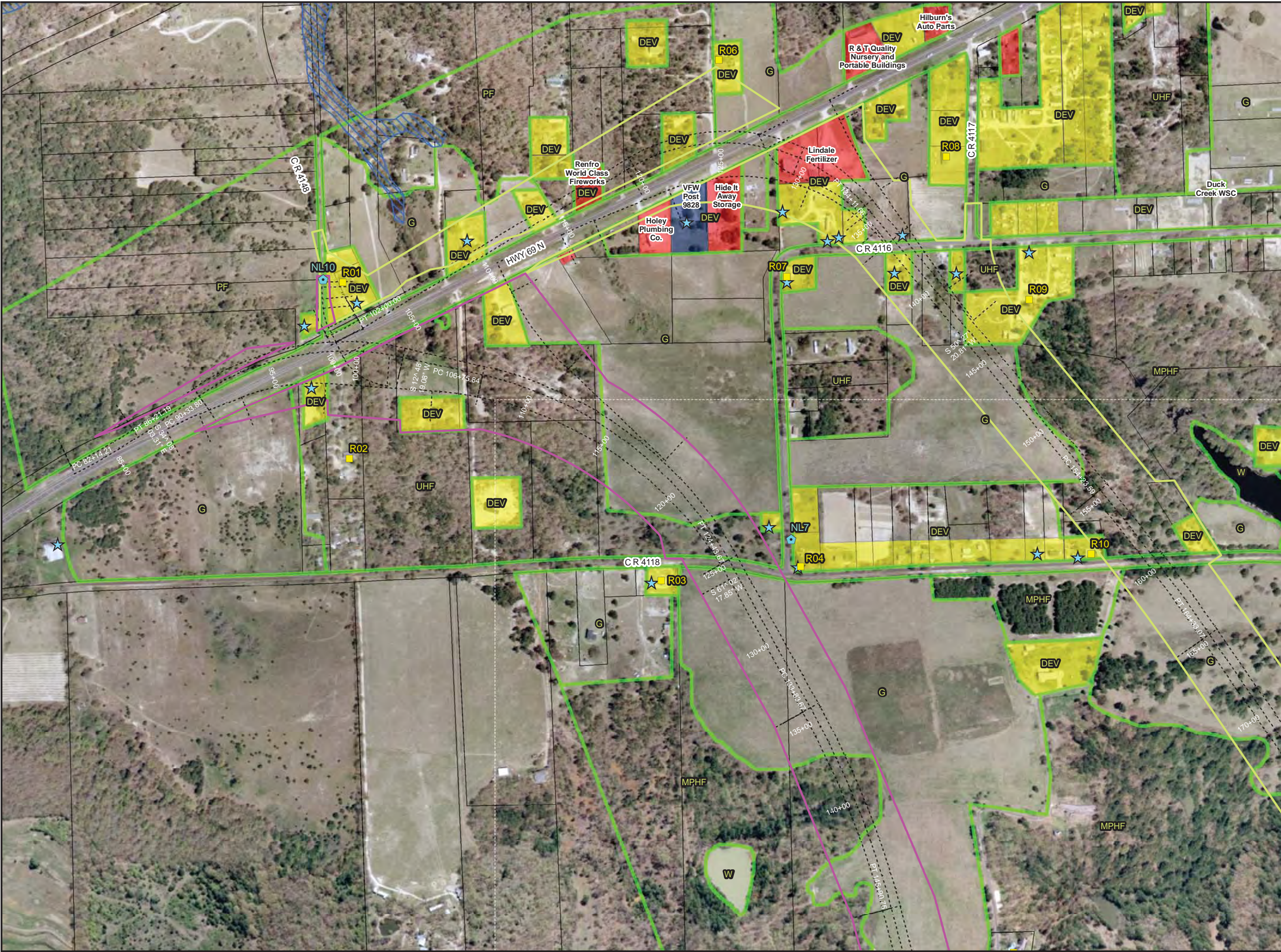


## **APPENDIX A**

# **POTENTIAL ENVIRONMENTAL CONSTRAINTS & RESIDENTIAL AND COMMERCIAL DISPLACEMENTS PLATES**







### LOCATOR DIAGRAM

#### Key to Features

- Alternative D
- Alternative G
- Surveyed Historic-age Resources
- HAZMAT Site
- Modeled Noise Receivers
- Measured Noise Level
- MSAT Air Quality Receptors
- Waters of the U.S. (Streams)
- Waters of the U.S. (Wetlands)
- 100-Year Floodplain

#### Land Use

- Commercial
- Cemetery
- Community Facility
- Church
- Oil / Gas
- Park
- Public Facility
- Residential
- Residential / Commercial
- School

#### Vegetation Types

- DEV - Developed
- G - Grassland
- MPHF - Mixed Pine/Hardwood Forest
- PF - Pine Forest
- RF - Riparian Forest
- UHF - Upland Hardwood Forest
- W - Water

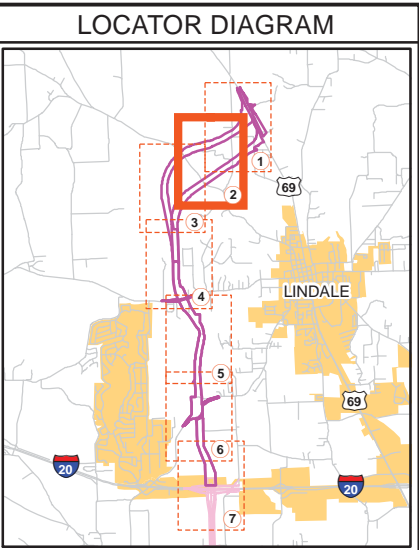
### US 69 / LOOP 49 NORTH LINDALE RELIEVER ROUTE

CSJ: 0190-04-033  
SMITH COUNTY

### POTENTIAL ENVIRONMENTAL CONSTRAINTS

PLATE 1	APRIL 2013
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**Key to Features**

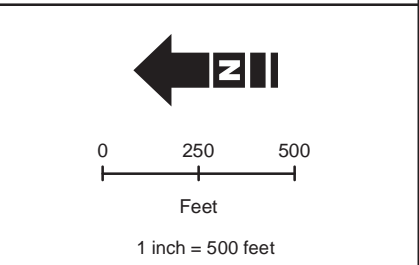
- Alternative D
- Alternative G
- Surveyed Historic-age Resources
- HAZMAT Site
- Modeled Noise Receivers
- Measured Noise Level
- MSAT Air Quality Receptors
- Waters of the U.S. (Streams)
- Waters of the U.S. (Wetlands)
- 100-Year Floodplain

**Land Use**

- Commercial
- Cemetery
- Community Facility
- Church
- Oil / Gas
- Park
- Public Facility
- Residential
- Residential / Commercial
- School

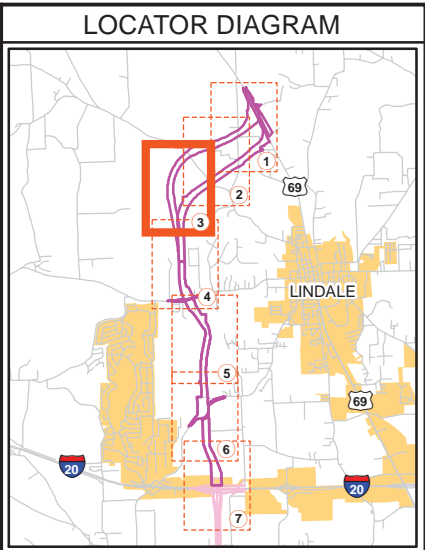
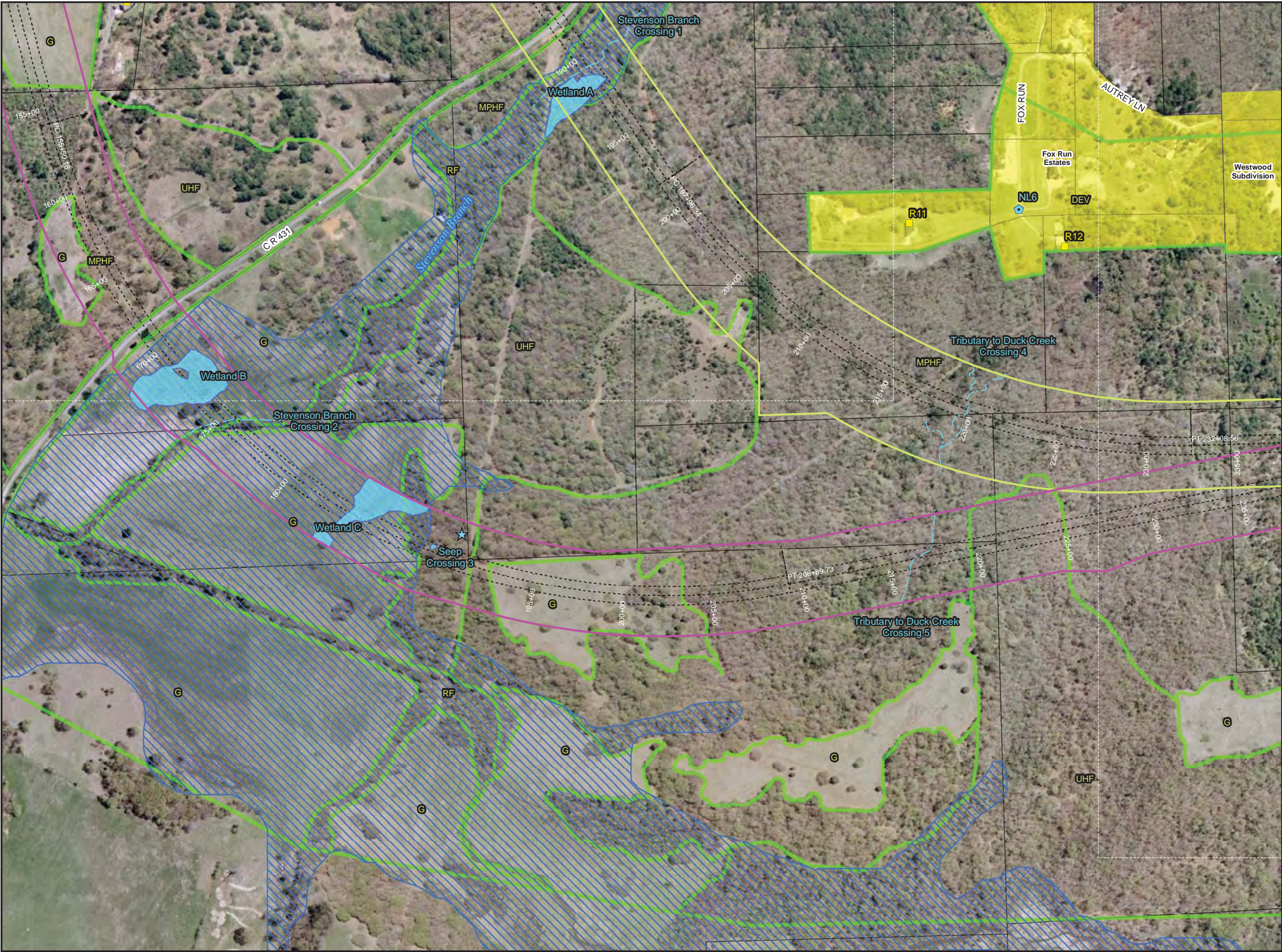
**Vegetation Types**

- DEV - Developed
- G - Grassland
- MPHF - Mixed Pine/Hardwood Forest
- PF - Pine Forest
- RF - Riparian Forest
- UHF - Upland Hardwood Forest
- W - Water



US 69 / LOOP 49 NORTH LINDALE RELIEVER ROUTE	
CSJ: 0190-04-033 SMITH COUNTY	
POTENTIAL ENVIRONMENTAL CONSTRAINTS	
PLATE 2	APRIL 2013





**Key to Features**

- Alternative D
- Alternative G
- Surveyed Historic-age Resources
- HAZMAT Site
- Modeled Noise Receivers
- Measured Noise Level
- MSAT Air Quality Receptors
- Waters of the U.S. (Streams)
- Waters of the U.S. (Wetlands)
- 100-Year Floodplain

**Land Use**

- Commercial
- Cemetery
- Community Facility
- Church
- Oil / Gas
- Park
- Public Facility
- Residential
- Residential / Commercial
- School

**Vegetation Types**

- DEV - Developed
- G - Grassland
- MPHF - Mixed Pine/Hardwood Forest
- PF - Pine Forest
- RF - Riparian Forest
- UHF - Upland Hardwood Forest
- W - Water

**Scale and Orientation**

0 250 500  
Feet  
1 inch = 500 feet

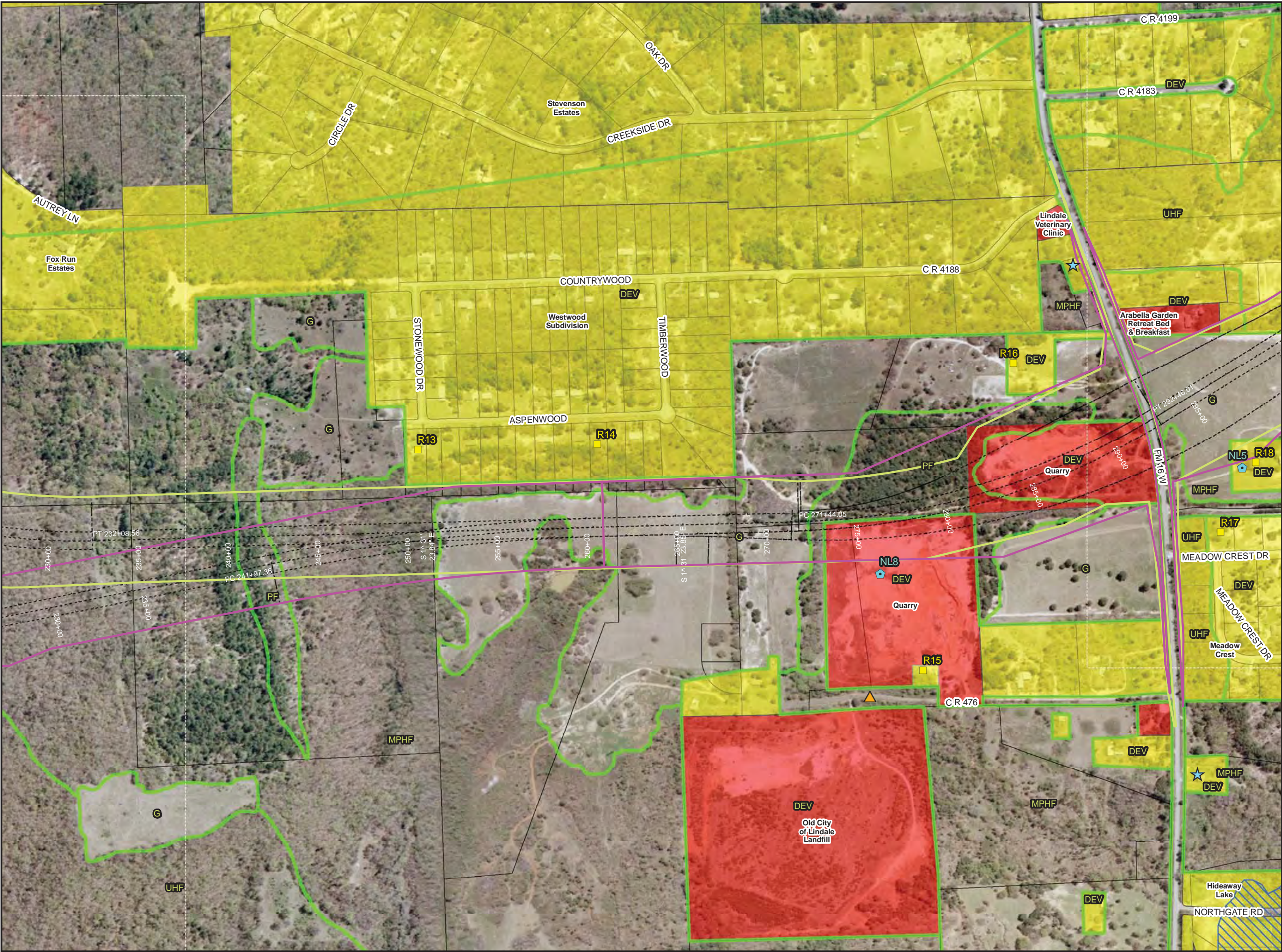
**US 69 / LOOP 49 NORTH  
LINDALE RELIEVER ROUTE**

CSJ: 0190-04-033  
SMITH COUNTY

**POTENTIAL ENVIRONMENTAL  
CONSTRAINTS**

PLATE 3      APRIL 2013





### LOCATOR DIAGRAM

#### Key to Features

- Alternative D
- Alternative G
- Surveyed Historic-age Resources
- HAZMAT Site
- Modeled Noise Receivers
- Measured Noise Level
- MSAT Air Quality Receptors
- Waters of the U.S. (Streams)
- Waters of the U.S. (Wetlands)
- 100-Year Floodplain

#### Land Use

- Commercial
- Cemetery
- Community Facility
- Church
- Oil / Gas
- Park
- Public Facility
- Residential
- Residential / Commercial
- School

#### Vegetation Types

- DEV - Developed
- G - Grassland
- MPHF - Mixed Pine/Hardwood Forest
- PF - Pine Forest
- RF - Riparian Forest
- UHF - Upland Hardwood Forest
- W - Water

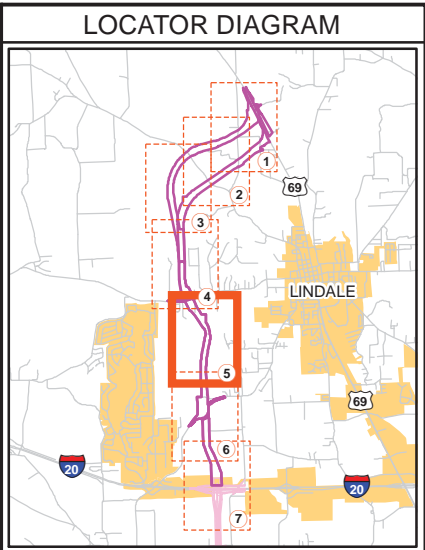
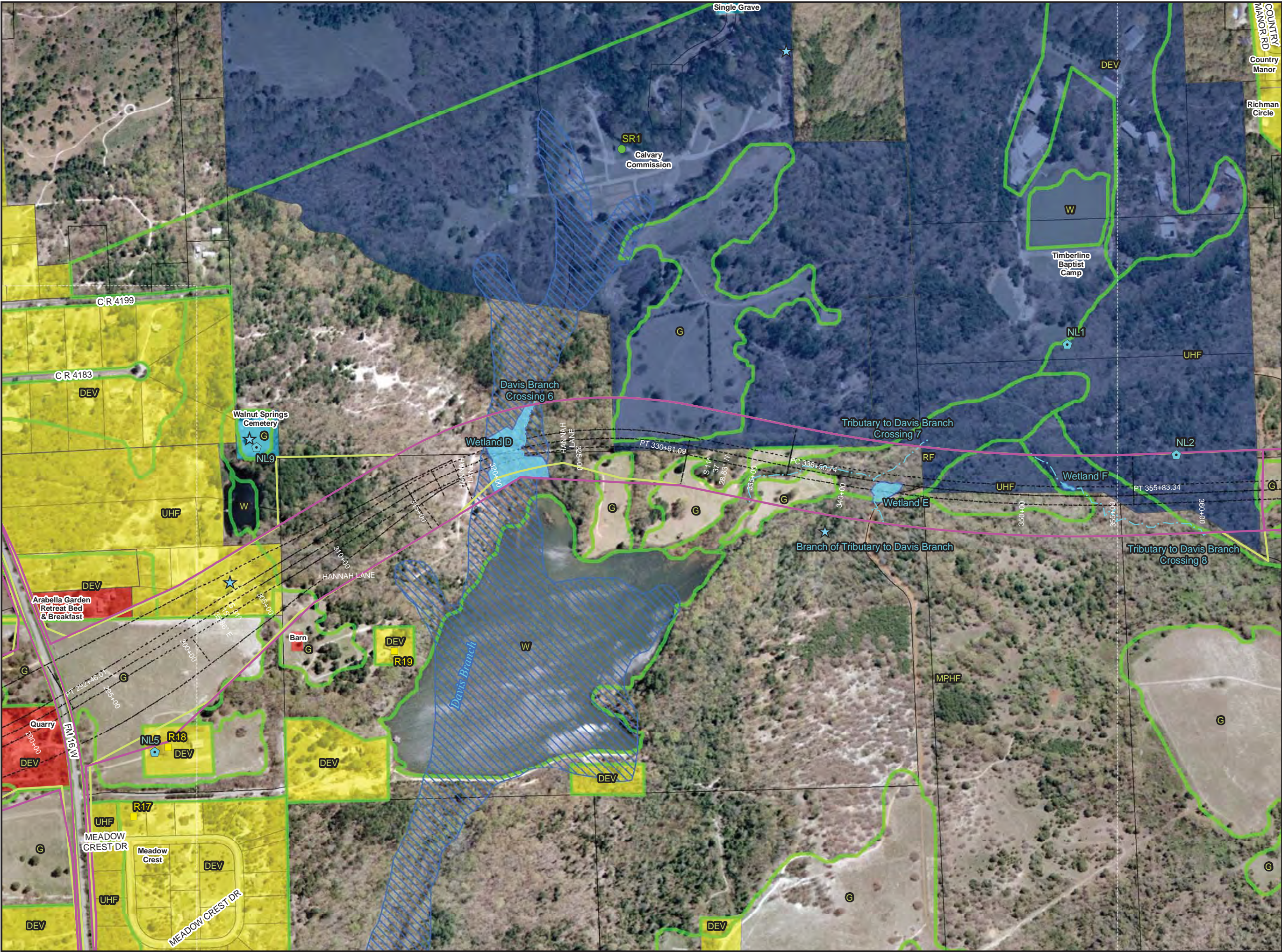
### US 69 / LOOP 49 NORTH LINDALE RELIEVER ROUTE

CSJ: 0190-04-033  
SMITH COUNTY

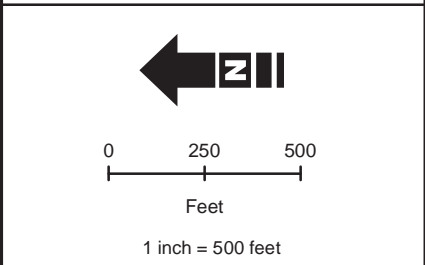
#### POTENTIAL ENVIRONMENTAL CONSTRAINTS

PLATE 4	APRIL 2013
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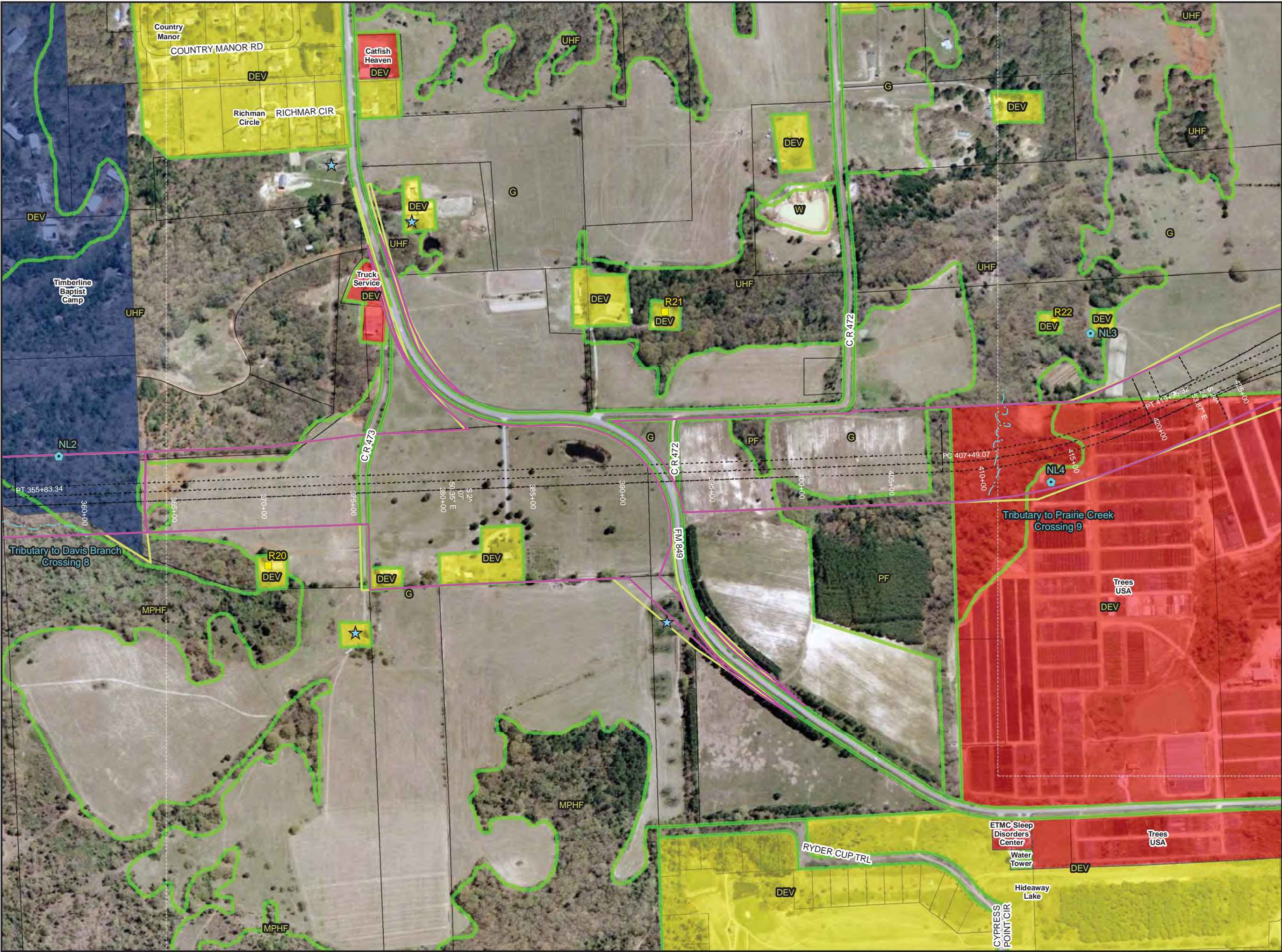




- Key to Features**
- Alternative D
  - Alternative G
  - Surveyed Historic-age Resources
  - HAZMAT Site
  - Modeled Noise Receivers
  - Measured Noise Level
  - MSAT Air Quality Receptors
  - Waters of the U.S. (Streams)
  - Waters of the U.S. (Wetlands)
  - 100-Year Floodplain
- Land Use**
- Commercial
  - Cemetery
  - Community Facility
  - Church
  - Oil / Gas
  - Park
  - Public Facility
  - Residential
  - Residential / Commercial
  - School
- Vegetation Types**
- DEV - Developed
  - G - Grassland
  - MPHF - Mixed Pine/Hardwood Forest
  - PF - Pine Forest
  - RF - Riparian Forest
  - UHF - Upland Hardwood Forest
  - W - Water







### LOCATOR DIAGRAM

#### Key to Features

- Alternative D
- Alternative G
- Surveyed Historic-age Resources
- HAZMAT Site
- Modeled Noise Receivers
- Measured Noise Level
- MSAT Air Quality Receptors
- Waters of the U.S. (Streams)
- Waters of the U.S. (Wetlands)
- 100-Year Floodplain

#### Land Use

- Commercial
- Cemetery
- Community Facility
- Church
- Oil / Gas
- Park
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- Residential
- Residential / Commercial
- School

#### Vegetation Types

- DEV - Developed
- G - Grassland
- MPHF - Mixed Pine/Hardwood Forest
- PF - Pine Forest
- RF - Riparian Forest
- UHF - Upland Hardwood Forest
- W - Water

0250500

Feet

1 inch = 500 feet

### US 69 / LOOP 49 NORTH LINDALE RELIEVER ROUTE

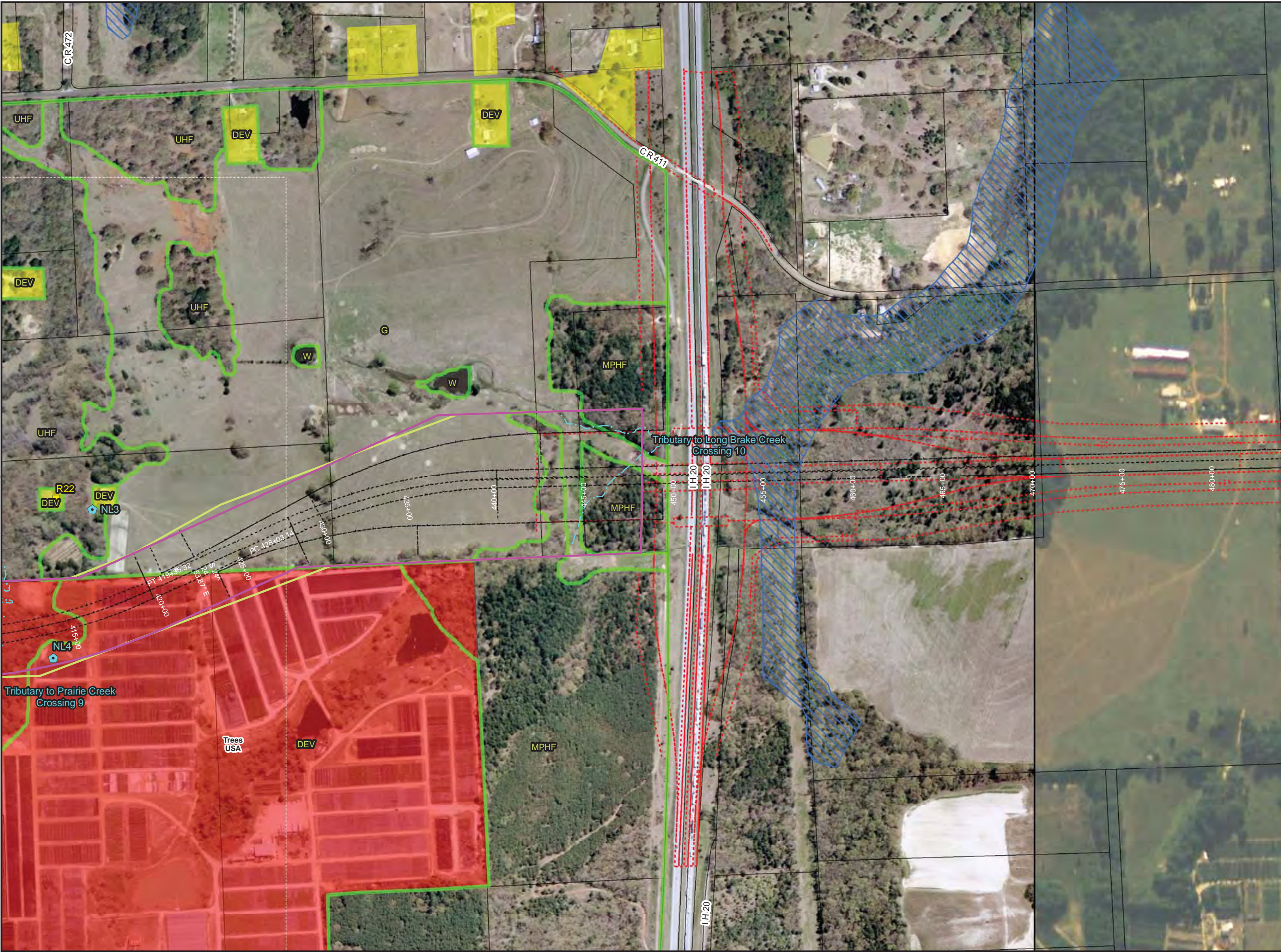
CSJ: 0190-04-033  
SMITH COUNTY

### POTENTIAL ENVIRONMENTAL CONSTRAINTS

PLATE 6

APRIL 2013





LOCATOR DIAGRAM

Key to Features

Alternative D

Alternative G

Surveyed Historic-age Resources

HAZMAT Site

Modeled Noise Receivers

Measured Noise Level

MSAT Air Quality Receptors

Waters of the U.S. (Streams)

Waters of the U.S. (Wetlands)

100-Year Floodplain

Land Use

Commercial

Cemetery

Community Facility

Church

Oil / Gas

Park

Public Facility

Residential

Residential / Commercial

School

Vegetation Types

DEV - Developed

G - Grassland

MPHF - Mixed Pine/Hardwood Forest

PF - Pine Forest

RF - Riparian Forest

UHF - Upland Hardwood Forest

W - Water

0250500

Feet

1 inch = 500 feet

US 69 / LOOP 49 NORTH  
LINDALE RELIEVER ROUTE

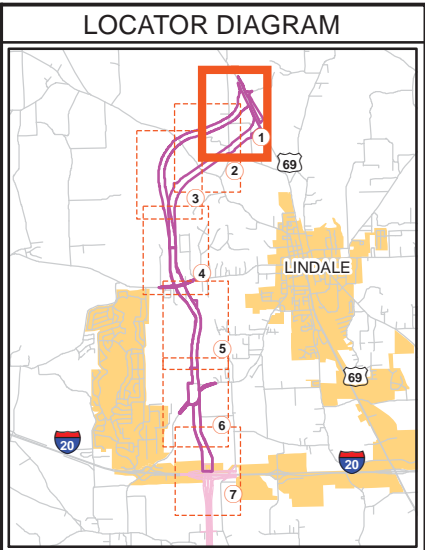
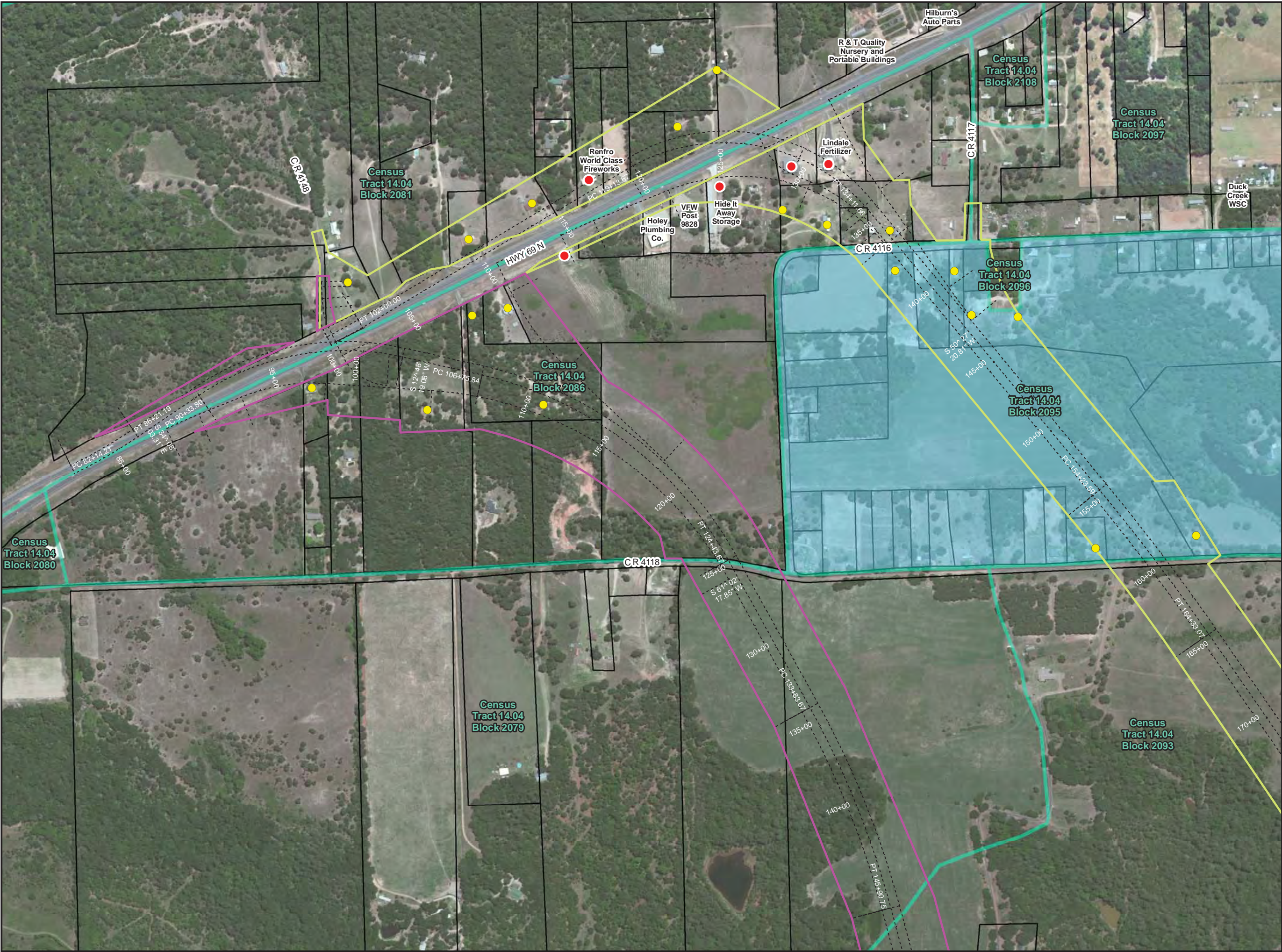
CSJ: 0190-04-033  
SMITH COUNTY

POTENTIAL ENVIRONMENTAL  
CONSTRAINTS

PLATE 7

APRIL 2013





**Key to Features**

- Residential Displacements
- Commercial Displacements
- Alternative D
- Alternative G
- 2010 Census Blocks
- 2010 Census Blocks (>50% Minority)
- Parcel Boundaries

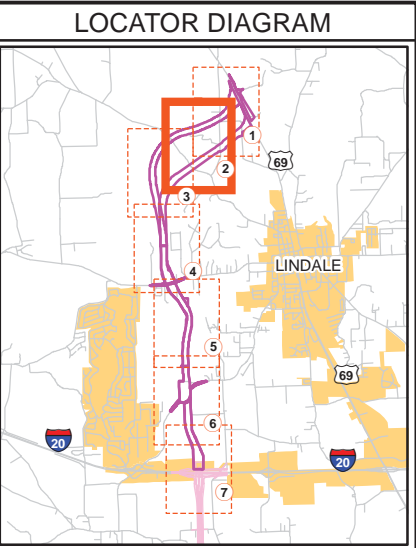
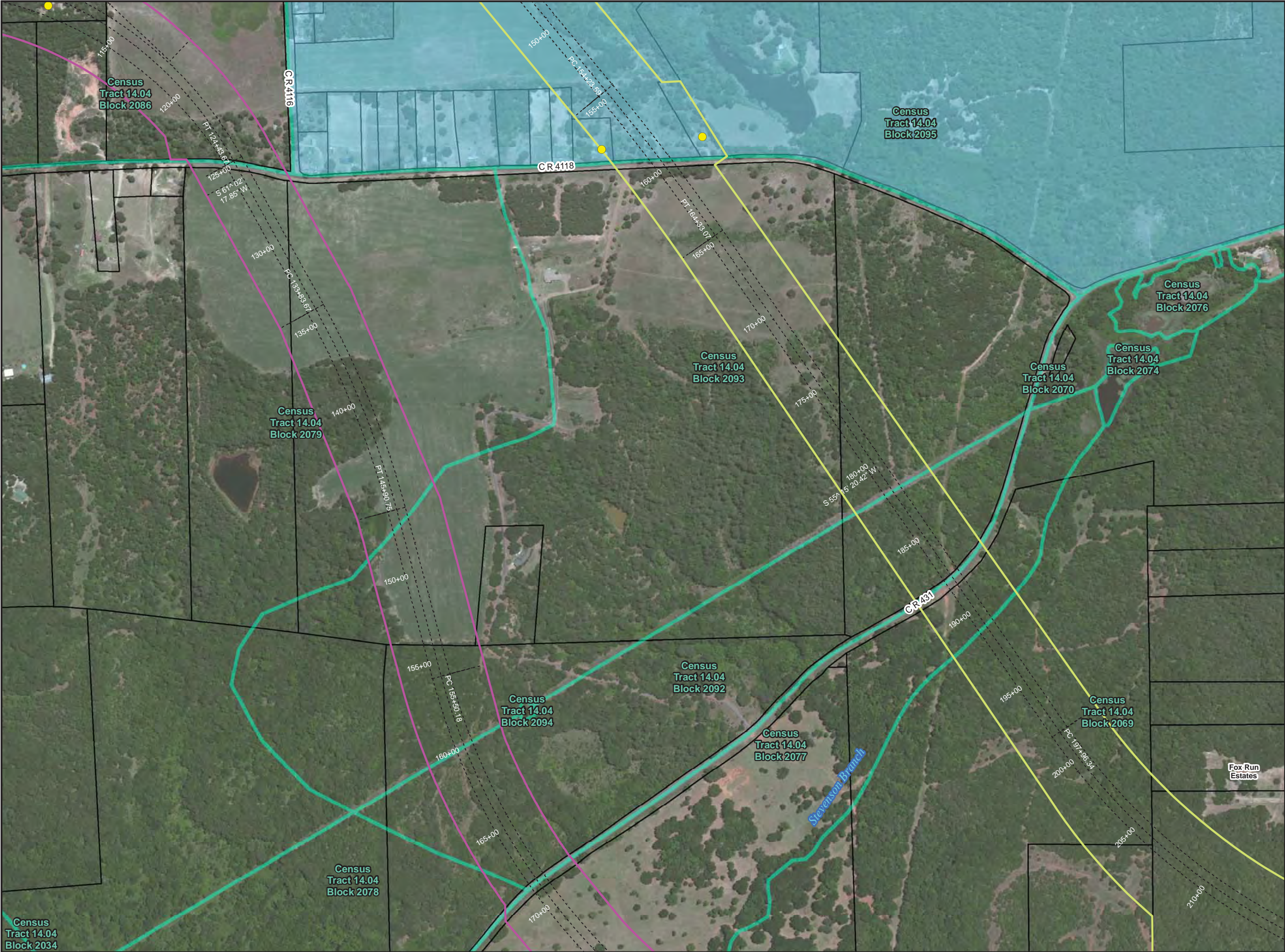
**US 69 / LOOP 49 NORTH  
LINDALE RELIEVER ROUTE**

CSJ: 0190-04-033  
SMITH COUNTY

**RESIDENTIAL AND COMMERCIAL  
DISPLACEMENTS**

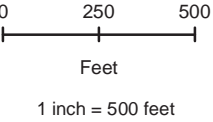
PLATE 1      APRIL 2013





Key to Features

- Residential Displacements
- Commercial Displacements
- Alternative D
- Alternative G
- 2010 Census Blocks
- 2010 Census Blocks (>50% Minority)
- Parcel Boundaries

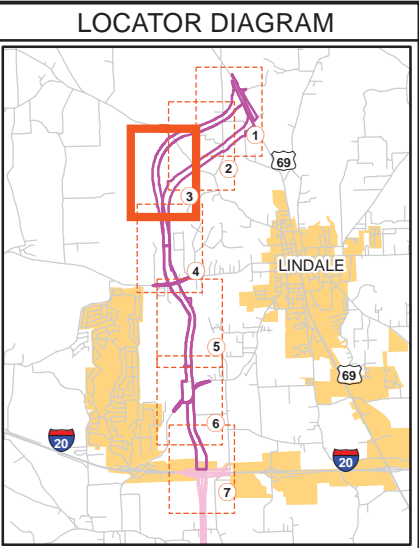


US 69 / LOOP 49 NORTH  
LINDALE RELIEVER ROUTE

CSJ: 0190-04-033  
SMITH COUNTY

RESIDENTIAL AND COMMERCIAL  
DISPLACEMENTS





**Key to Features**

- Residential Displacements
- Commercial Displacements
- Alternative D
- Alternative G
- 2010 Census Blocks
- 2010 Census Blocks (>50% Minority)
- Parcel Boundaries

**Scale and Orientation**

0 250 500  
Feet  
1 inch = 500 feet

North Arrow

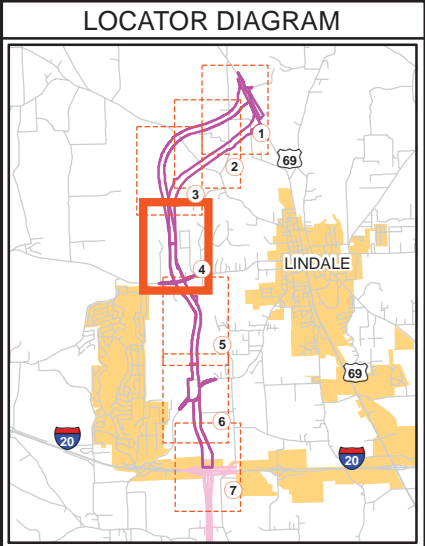
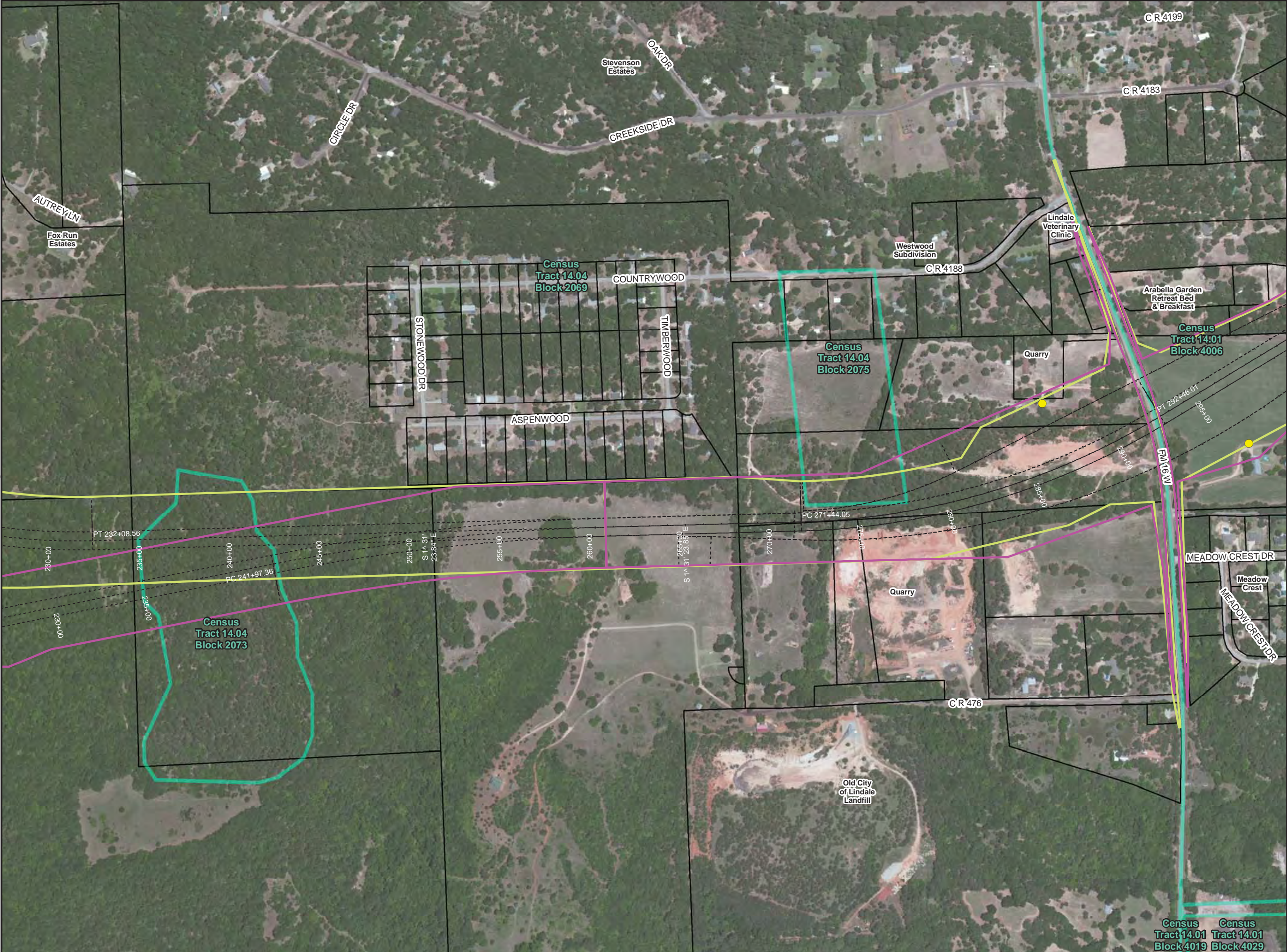
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LINDALE RELIEVER ROUTE**

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SMITH COUNTY

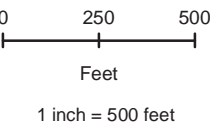
**RESIDENTIAL AND COMMERCIAL  
DISPLACEMENTS**

PLATE 3      APRIL 2013





- Key to Features**
- Residential Displacements
  - Commercial Displacements
  - Alternative D
  - Alternative G
  - 2010 Census Blocks
  - 2010 Census Blocks (>50% Minority)
  - Parcel Boundaries



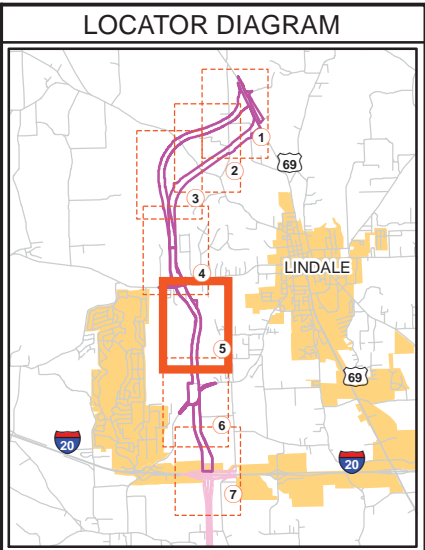
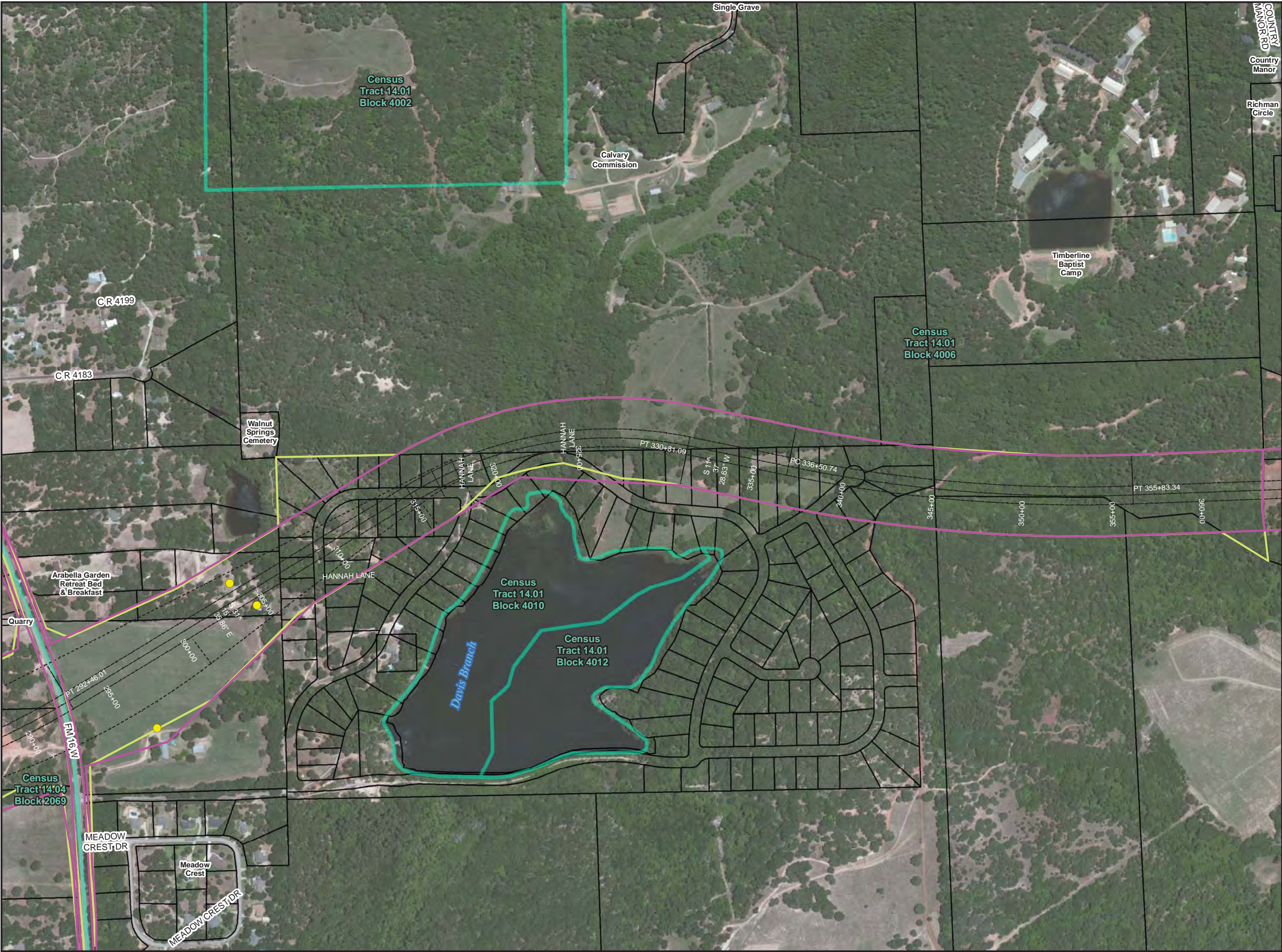
**US 69 / LOOP 49 NORTH  
LINDALE RELIEVER ROUTE**

CSJ: 0190-04-033  
SMITH COUNTY

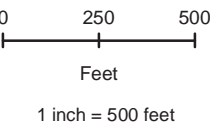
**RESIDENTIAL AND COMMERCIAL  
DISPLACEMENTS**

PLATE 4      APRIL 2013





- Key to Features**
- Residential Displacements
  - Commercial Displacements
  - Alternative D
  - Alternative G
  - 2010 Census Blocks
  - 2010 Census Blocks (>50% Minority)
  - Parcel Boundaries



**US 69 / LOOP 49 NORTH  
LINDALE RELIEVER ROUTE**

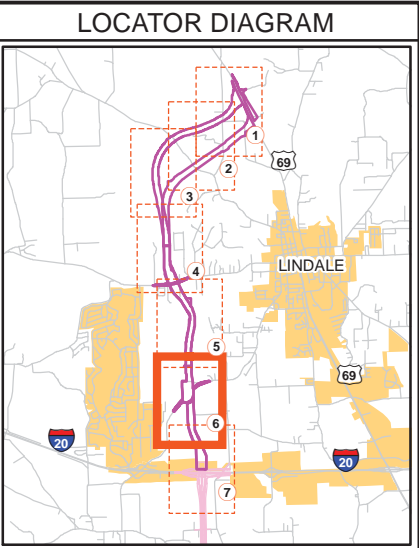
CSJ: 0190-04-033  
SMITH COUNTY

**RESIDENTIAL AND COMMERCIAL  
DISPLACEMENTS**

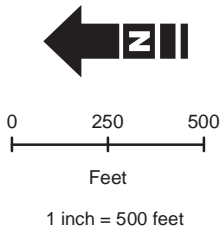
PLATE 5

APRIL 2013



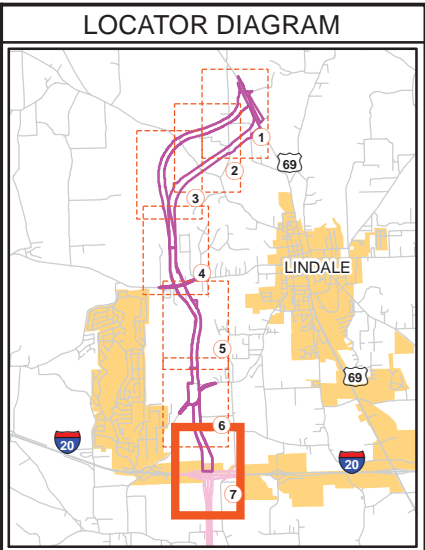
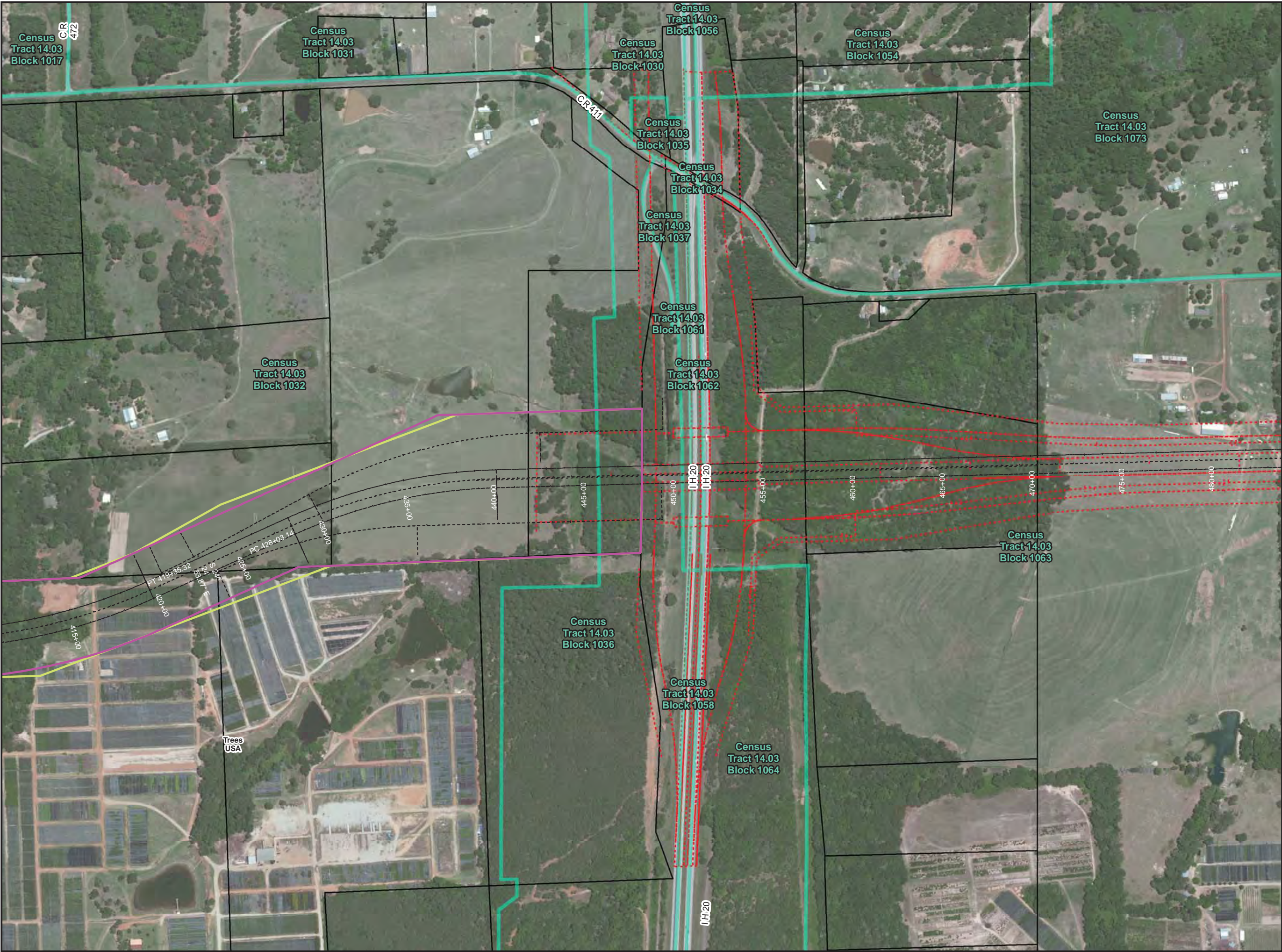


- Key to Features**
- Residential Displacements
  - Commercial Displacements
  - Alternative D
  - Alternative G
  - 2010 Census Blocks
  - 2010 Census Blocks (>50% Minority)
  - Parcel Boundaries

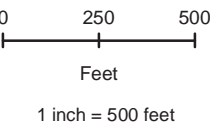


US 69 / LOOP 49 NORTH LINDALE RELIEVER ROUTE	
CSJ: 0190-04-033 SMITH COUNTY	
RESIDENTIAL AND COMMERCIAL DISPLACEMENTS	
PLATE 6	APRIL 2013





- Key to Features**
- Residential Displacements
  - Commercial Displacements
  - Alternative D
  - Alternative G
  - 2010 Census Blocks
  - 2010 Census Blocks (>50% Minority)
  - Parcel Boundaries



**US 69 / LOOP 49 NORTH  
LINDALE RELIEVER ROUTE**

CSJ: 0190-04-033  
SMITH COUNTY

**RESIDENTIAL AND COMMERCIAL  
DISPLACEMENTS**

PLATE 7

APRIL 2013



## **APPENDIX B**

### **PROJECT AREA PHOTOS**









Wetland in floodplain south of Stevenson Branch, Alternative G.



Man-made ditch through wetland in floodplain south of Stevenson Branch, Alternative G.





Stevenson Branch, Alternative G.



Grassland vegetation.





Stevenson Branch, Alternative D.



Wetland adjacent to Stevenson Branch, Alternative D.





Wetland in floodplain north of Stevenson Branch, Alternative G.



Grassland vegetation in foreground; upland hardwood vegetation in background.





Grassland vegetation.



Seep adjacent to wetland in floodplain south of Stevenson Branch, Alternative G.





Seep adjacent to wetland in floodplain south of Stevenson Branch, Alternative G.



Grassland vegetation in foreground; upland hardwood vegetation in background.





Tributary to Duck Creek, Alternative G.



Tributary to Duck Creek, Alternative G.





Aesthetic quality of surrounding landscape.



Tributary to Prairie Creek, both alternatives.





Tributary to Long Brake Creek, both alternatives.



Tributary to Long Brake Creek at IH 20, both alternatives.





Tributary to Long Brake Creek, both alternatives.



Tributary to Prairie Creek, both alternatives.





Tributary to Duck Creek, Alternative D.



Davis Branch, both alternatives.





Wetland at Davis Branch, both alternatives.



Pine Woodland vegetation.





Mixed Pine/Hardwood Woodland vegetation.



Typical single family residence in Lindale





Typical single family residence on CR 4118



Walnut Springs Cemetery





Single family residence on FM 849 east of proposed project



Trees USA seedlings





US 69.Main Street at FM 16 in Lindale, looking north



US 69.Main Street at FM 16 in Lindale, looking south





Timberline Baptist Camp



Northern terminus of Alternative G, looking South







## **APPENDIX C**

### **WETLAND DETERMINATION DATA FORMS**







**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/22/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 1 Stevenson Branch, Alt D

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Smilax rotundifolia</i>	V	FAC	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Ulmus americana</i>	T	FAC	11.		
4. <i>Solidago sp.</i>	H	---	12.		
5. <i>Lonicera japonica</i>	V	FAC	13.		
6. <i>Acer barbatum</i>	T	---	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/6 = 67%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology. The site is adjacent to a water of the U.S. (Stevenson Branch) with an ordinary high water mark of approximately 10 feet. Flowing water was present within the channel.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-5		5YR4/6	---	---	Sandy loam
5-10		5YR4/4	---	---	Sandy loam
10-16		5YR4/6	7.5YR4/6	Common, large, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/22/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 2 Alt D, forested area S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Arundinaria gigantea</i>	H	FACW	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Ulmus americana</i>	T	FAC	11.		
4. <i>Liquidambar styraciflua</i>	T	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/4 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR5/4	2.5YR4/6	Many, medium, distinct	Clay loam
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/22/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 3 Alt D, forested area S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Arundinaria gigantea</i>	H	FACW	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Lonicera japonica</i>	H/V	FAC	11.		
4. <i>Liquidambar styraciflua</i>	T	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/4 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		7.5YR4/6	---	---	Clay loam
2-4		7.5YR4/6	10YR5/4	Common, small, distinct	Clay loam
4-16		7.5YR4/6	10YR5/4	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/22/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 4 Alt D, forested area S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Arundinaria gigantea</i>	H	FACW	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Lonicera japonica</i>	H/V	FAC	11.		
4. <i>Liquidambar styraciflua</i>	T	FAC	12.		
5. <i>Smilax rotundifolia</i>	H/V	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 5/5 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>14</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>14</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		10YR3/1	5YR3/4	Common, medium, distinct	Clay loam
2-16		10YR5/4	5YR4/6	Many, medium, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input checked="" type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/22/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 5 Alt D, forested area S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	H	OBL	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Lonicera japonica</i>	H/V	FAC	11.		
4. <i>Liquidambar styraciflua</i>	T	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/4 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>11</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>11</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10		10YR4/1	5YR4/6	Many, small, distinct	Clay loam
10-16		10YR4/1	5YR4/6	Many, large, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/22/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 6 Alt D, forested area S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Chasmanthium laxum</i>	H	FAC	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Lonicera japonica</i>	H/V	FAC	11.		
4. <i>Liquidambar styraciflua</i>	T	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/4 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10		5YR4/6	2.5YR3/6	Common, small, distinct	Fine sandy loam
10-16		5YR4/6	2.5YR3/6	Common, large, distinct	Fine sandy loam
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 7 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	H	OBL	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Eleocharis smallii</i>	H	OBL	11.		
4. <i>Polygonum hydropiperoides</i>	H	OBL	12.		
5. <i>Hydrocotyle umbellata</i>	H	OBL	13.		
6. <i>Solidago sp.</i>	H	---	14.		
7. <i>Paspalum urvillei</i>	H	FAC	15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 6/7 = 86%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:     0     (in.)              Depth to Saturated Soil:     0     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	2.5YR4/6	Many, small, distinct	Clay
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 8 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	H	OBL	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Erodium texanum</i>	H	---	11.		
4. <i>Polygonum hydropiperoides</i>	H	OBL	12.		
5. <i>Panicum capillare</i>	H	FAC	13.		
6. <i>Solidago sp.</i>	H	---	14.		
7. <i>Paspalum urvillei</i>	H	FAC	15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/7 = 71%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	2.5YR4/6	Many, small, distinct	Clay
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 9 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	H	OBL	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Paspalum notatum</i>	H	FAC	11.		
4. <i>Polygonum hydropiperoides</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6. <i>Solidago sp.</i>	H	---	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/6 = 83%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:     6     (in.)              Depth to Saturated Soil:     0     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:													
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*													
*Soils were not determined by a professional soil scientist.																	
<b>Profile Description:</b>																	
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.												
0-16		10YR4/2	2.5YR4/6	Many, small, distinct	Clay												
Hydric Soil Indicators: <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Histosol</td> <td><input type="checkbox"/> Concretions</td> </tr> <tr> <td><input type="checkbox"/> Histic Epipedon</td> <td><input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Sulfidic Odor</td> <td><input type="checkbox"/> Organic Streaking in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Aquic Moisture Regime</td> <td><input type="checkbox"/> Listed on Local Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Reducing Conditions</td> <td><input type="checkbox"/> Listed on National Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Gleyed or Low-Chroma Colors</td> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table>						<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions	<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils	<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils	<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List	<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List	<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions																
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils																
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils																
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List																
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List																
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)																
Remarks: This site meets the criteria for hydric soils.																	

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 10 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	H	OBL	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Paspalum notatum</i>	H	FAC	11.		
4. <i>Erodium texanum</i>	H	---	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)             Depth to Free Water in Pit:    none    (in.)             Depth to Saturated Soil:    none    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:													
Taxonomy (Subgroup):				Field Observations													
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*													
*Soils were not determined by a professional soil scientist.																	
<b>Profile Description:</b>																	
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.												
0-4		10YR3/2	5YR4/4	Many, small, distinct	Fine sandy loam												
4-16		10YR4/2	5YR4/4	Many, small, distinct	Fine sandy loam												
<p>Hydric Soil Indicators:</p> <table border="0"> <tr> <td><input type="checkbox"/> Histosol</td> <td><input type="checkbox"/> Concretions</td> </tr> <tr> <td><input type="checkbox"/> Histic Epipedon</td> <td><input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Sulfidic Odor</td> <td><input type="checkbox"/> Organic Streaking in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Aquic Moisture Regime</td> <td><input type="checkbox"/> Listed on Local Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Reducing Conditions</td> <td><input type="checkbox"/> Listed on National Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Gleyed or Low-Chroma Colors</td> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table>						<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions	<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils	<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils	<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List	<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List	<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions																
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils																
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils																
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List																
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List																
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)																
Remarks: This site meets the criteria for hydric soils.																	

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 11 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	H	OBL	9.		
2. <i>Polygonum hydropiperoides</i>	H	OBL	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Carex sp.</i>	H	---	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/5 = 60%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    none    (in.)              Depth to Saturated Soil:    0    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-4		10YR4/2	5YR4/4	Few, small, distinct	Clay loam
4-9		10YR4/1	5YR4/4	Common, small, distinct	Clay
9-16		10YR4/1	5YR4/6	Many, small, distinct	Clay
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 12 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	H	OBL	9.		
2. <i>Paspalum notatum</i>	H	FAC	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 2/3 = 67%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-4		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
4-8		10YR3/2	5YR4/4	Many, large, distinct	Clay
8-16		10YR4/1	5YR4/6	Many, medium, distinct	Clay
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 13 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	H	OBL	9.		
2. <i>Carex sp.</i>	H	---	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4. <i>Solidago sp.</i>	H	---	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 2/4 = 50%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    14    (in.)              Depth to Saturated Soil:    0    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:													
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*													
*Soils were not determined by a professional soil scientist.																	
<b>Profile Description:</b>																	
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.												
0-16		10YR4/1	5YR4/6	Many, small, distinct	Clay												
Hydric Soil Indicators: <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Histosol</td> <td><input type="checkbox"/> Concretions</td> </tr> <tr> <td><input type="checkbox"/> Histic Epipedon</td> <td><input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Sulfidic Odor</td> <td><input type="checkbox"/> Organic Streaking in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Aquic Moisture Regime</td> <td><input type="checkbox"/> Listed on Local Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Reducing Conditions</td> <td><input type="checkbox"/> Listed on National Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Gleyed or Low-Chroma Colors</td> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table>						<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions	<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils	<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils	<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List	<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List	<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions																
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils																
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils																
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List																
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List																
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)																
Remarks: This site meets the criteria for hydric soils.																	

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 14 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Lonicera japonica</i>	H	FAC	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4. <i>Cirsium horridulum</i>	H	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/4 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-3		10YR4/2	5YR4/6	Common, small, distinct	Clay loam
3-6		7.5YR4/4	5YR4/6	Many, small, distinct	Clay
6-12		10YR4/2	5YR5/8	Many, medium, distinct	Clay loam
12-16		10YR4/1	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 15 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Rubus trivialis</i>	H	FAC	9.		
2. <i>Lonicera japonica</i>	H	FAC	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4. <i>Juncus effuses</i>	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/4 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>10</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/1	5YR4/6	Common, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Concretions					
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils					
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils					
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Local Hydric Soils List					
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soils List					
<input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Remarks: This site is located within a wetland.	



**DATA FORM**  
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Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 16 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Erodium texanum</i>	H	---	9.		
2. <i>Paspalum notatum</i>	H	FAC	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4. <i>Carex sp.</i>	H	---	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 2/4 = 50%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>15</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>10</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-5		10YR3/1	5YR4/6	Many, small, distinct	Sandy loam
5-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



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Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 17 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Lonicera japonica</i>	H	FAC	9.		
2. <i>Paspalum notatum</i>	H	FAC	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4. <i>Eriochloa punctata</i>	H	FACW-	12.		
5. <i>Rumex crispus</i>	H	FACW	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 5/5 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:													
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*													
*Soils were not determined by a professional soil scientist.																	
<b>Profile Description:</b>																	
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.												
0-6		10YR4/1	5YR4/6	Common, small, distinct	Sandy loam												
6-8		10YR4/3	5YR4/4	Common, small, distinct	Fine sandy loam												
8-16		10YR4/1	5YR4/6	Many, small, distinct	Fine sandy loam												
Hydric Soil Indicators: <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Histosol</td> <td><input type="checkbox"/> Concretions</td> </tr> <tr> <td><input type="checkbox"/> Histic Epipedon</td> <td><input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Sulfidic Odor</td> <td><input type="checkbox"/> Organic Streaking in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Aquic Moisture Regime</td> <td><input type="checkbox"/> Listed on Local Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Reducing Conditions</td> <td><input type="checkbox"/> Listed on National Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Gleyed or Low-Chroma Colors</td> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table>						<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions	<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils	<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils	<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List	<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List	<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions																
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils																
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils																
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List																
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List																
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)																
Remarks: This site meets the criteria for hydric soils.																	

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	



**DATA FORM**  
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Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 18 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Setaria geniculata</i>	H	FAC	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Rubus trivialis</i>	H	FAC	11.		
4. <i>Schizachyrium scoparium</i>	H	FACU+	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/1	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	



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Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 19 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Polygonum hydropiperoides</i>	H	OBL	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Carex sp.</i>	H	---	11.		
4. <i>Paspalum urvillei</i>	H	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/4 = 75%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    12    (in.)              Depth to Saturated Soil:    11    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/1	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 20 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Polygonum hydropiperoides</i>	H	OBL	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Carex sp.</i>	H	---	11.		
4. <i>Paspalum urvillei</i>	H	FAC	12.		
5. <i>Solidago sp.</i>	H	---	13.		
6. <i>Cirsium horridulum</i>	H	FAC	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/6 = 67%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:     7     (in.)              Depth to Saturated Soil:     6     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/1	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 21 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Eriochloa punctata</i>	H	FACW-	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Carex sp.</i>	H	---	11.		
4. <i>Paspalum urvillei</i>	H	FAC	12.		
5. <i>Rubus trivialis</i>	H	FAC	13.		
6. <i>Cirsium horridulum</i>	H	FAC	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/6 = 83%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)             Depth to Free Water in Pit:    none    (in.)             Depth to Saturated Soil:    none    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
10-16		10YR4/1	5YR4/6	Many, small, distinct	Clay
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 22 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Eriochloa punctata</i>	H	FACW-	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Polygonum hydropiperoides</i>	H	OBL	11.		
4. <i>Paspalum urvillei</i>	H	FAC	12.		
5. <i>Schizachyrium scoparium</i>	H	FACU+	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/5 = 80%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>11</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>10</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 23 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Eriochloa punctata</i>	H	FACW-	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Rubus trivialis</i>	H	FAC	11.		
4. <i>Paspalum urvillei</i>	H	FAC	12.		
5. <i>Cirsium horridulum</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/5 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    none    (in.)              Depth to Saturated Soil:    none    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 24 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Eriochloa punctata</i>	H	FACW-	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Setaria geniculata</i>	H	FAC	11.		
4. <i>Paspalum urvillei</i>	H	FAC	12.		
5. <i>Cirsium horridulum</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 5/5 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>13</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>11</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		10YR3/2	5YR4/6	Many, fine, distinct	Fine sandy loam
2-4		10YR5/2	5YR4/6	Many, small, distinct	Sandy loam
4-16		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 25 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Rubus trivialis</i>	H	FAC	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Setaria geniculata</i>	H	FAC	11.		
4. <i>Paspalum urvillei</i>	H	FAC	12.		
5. <i>Polygonum hydropiperoides</i>	H	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/5 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    none    (in.)              Depth to Saturated Soil:    none    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/1	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 26 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Cirsium horridulum</i>	H	FAC	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Polygonum hydropiperoides</i>	H	OBL	11.		
4. <i>Paspalum urvillei</i>	H	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/4 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>13</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>12</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 27 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Cirsium horridulum</i>	H	FAC	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Polygonum hydropiperoides</i>	H	OBL	11.		
4. <i>Cynodon dactylon</i>	H	FACU+	12.		
5. <i>Carya illinoensis</i>	T	FAC+	13.		
6. <i>Rubus trivialis</i>	H	FAC	14.		
7. <i>Eriochloa punctata</i>	H	FACW-	15.		
8. <i>Lonicera japonica</i>	H	FAC	16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 8/8 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/1	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 28 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum urvillei</i>	H	FAC	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Polygonum hydropiperoides</i>	H	OBL	11.		
4. <i>Setaria geniculata</i>	H	FAC	12.		
5. <i>Carya illinoensis</i>	T	FAC+	13.		
6. <i>Rubus trivialis</i>	H	FAC	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 6/6 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    10    (in.)              Depth to Saturated Soil:    9    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 29 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum urvillei</i>	H	FAC	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Polygonum hydropiperoides</i>	H	OBL	11.		
4. <i>Cynodon dactylon</i>	H	FACU+	12.		
5. <i>Carya illinoensis</i>	T	FAC+	13.		
6. <i>Liquidambar styraciflua</i>	T	FAC	14.		
7. <i>Ulmus americana</i>	T	FAC	15.		
8. <i>Lonicera japonica</i>	H	FAC	16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 7/8= 88%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/>Stream, Lake, or Tide Gauge  <input checked="" type="checkbox"/>Aerial Photographs  <input type="checkbox"/>Other         </div> <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)             Depth to Free Water in Pit:    none    (in.)             Depth to Saturated Soil:    none    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <div style="margin-left: 20px;"> <input type="checkbox"/>Inundated  <input type="checkbox"/>Saturated in Upper 12 Inches  <input type="checkbox"/>Water Marks  <input type="checkbox"/>Drift Lines  <input type="checkbox"/>Sediment Deposits  <input type="checkbox"/>Drainage patterns in Wetlands         </div> Secondary Indicators (2 or more required): <div style="margin-left: 20px;"> <input checked="" type="checkbox"/>Oxidized Root Channels in Upper 12 inches  <input type="checkbox"/>Water-Stained Leaves  <input type="checkbox"/>Local Soil Survey Data  <input type="checkbox"/>FAC-Neutral Test  <input type="checkbox"/>Other (Explain in Remarks)         </div>
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 30 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum urvillei</i>	H	FAC	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Polygonum hydropiperoides</i>	H	OBL	11.		
4. <i>Cynodon dactylon</i>	H	FACU+	12.		
5. <i>Carya illinoensis</i>	T	FAC+	13.		
6. <i>Solidago sp.</i>	H	---	14.		
7. <i>Ulmus americana</i>	T	FAC	15.		
8. <i>Cirsium horridulum</i>	H	FAC	16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 6/8= 75%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:   12     (in.)              Depth to Saturated Soil:     11     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/1	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 31 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum urvillei</i>	H	FAC	9.		
2. <i>Schizachryium scoparium</i>	H	FACU+	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 1/3= 33%					
Remarks: This site does not meet the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydrophytic vegetation and wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 32 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum urvillei</i>	H	FAC	9.		
2. <i>Schizachryium scoparium</i>	H	FACU+	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Erodium texanum</i>	H	---	12.		
5. <i>Cirsium horridulum</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 2/5 = 40%					
Remarks: This site does not meet the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
8-16		10YR2/1	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydrophytic vegetation and wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 33 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum urvillei</i>	H	FAC	9.		
2. <i>Eriochloa punctata</i>	H	FACW-	10.		
3. <i>Carex sp.</i>	H	---	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Polygonum hydropiperoides</i>	H	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>3</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>2</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 34 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum urvillei</i>	H	FAC	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Carex sp.</i>	H	---	11.		
4. <i>Paspalum notatum</i>	H	FAC	12.		
5. <i>Polygonum hydropiperoides</i>	H	OBL	13.		
6. <i>Solidago sp.</i>	H	---	14.		
7. <i>Erodium texanum</i>	H	---	15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/7 = 57%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    none    (in.)              Depth to Saturated Soil:    none    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 35 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum urvillei</i>	H	FAC	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Carex sp.</i>	H	---	11.		
4. <i>Paspalum notatum</i>	H	FAC	12.		
5. <i>Schizachyrium scoparium</i>	H	FACU+	13.		
6. <i>Solidago sp.</i>	H	---	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/6 = 50%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-11		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
11-16		10YR5/4	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 36 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Lonicera japonica</i>	H	FAC	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Polygonum hydropiperoides</i>	H	OBL	11.		
4. <i>Paspalum notatum</i>	H	FAC	12.		
5. <i>Schizachyrium scoparium</i>	H	FACU+	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
2-4		10YR5/2	5YR4/6	Many, small, distinct	Clay loam
4-16		10YR5/4	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 37 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Erodium texanum</i>	H	---	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Rubus trivialis</i>	H	FAC	11.		
4. <i>Paspalum notatum</i>	H	FAC	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/5 = 80%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>10</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>8</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/1	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 38 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Erodium texanum</i>	H	---	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4. <i>Paspalum notatum</i>	H	FAC	12.		
5. <i>Polygonum hydropiperoides</i>	H	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>12</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>11</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-3		10YR4/1	5YR4/6	Many, small, distinct	Clay loam
3-8		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
8-16		10YR4/2	5YR4/6	Many, large, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 39 Alt G, in floodplain just N of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Erodium texanum</i>	H	---	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Rubus trivialis</i>	H	FAC	11.		
4. <i>Paspalum notatum</i>	H	FAC	12.		
5. <i>Solidago sp.</i>	H	---	13.		
6. <i>Schizachyrium scoparium</i>	H	FACU+	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/6 = 50%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-6		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
6-16		10YR4/2	5YR4/6	Many, large, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/23/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 40 Alt G, Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ulmus americana</i>	T	FAC	9.		
2. <i>Celtis laevigata</i>	T	FAC	10.		
3. <i>Smilax rotundifolia</i>	H/V	FAC	11.		
4. <i>Quercus nigra</i>	T/S	FAC+	12.		
5. <i>Lonicera japonica</i>	H/V	FAC	13.		
6. <i>Chasmanthium latifolium</i>	H	FAC	14.		
7. <i>Elymus canadensis</i>	H	OBL	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 7/7 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: This site does not meet the criteria for wetland hydrology. This site is located adjacent to a Stevenson Branch, a water of the U.S. with an ordinary high water mark of approximately 10 feet.



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		5YR3/3	5YR4/6	Common, small, distinct	Fine sandy loam
2-10		7.5YR4/4	5YR4/6	Common, small, distinct	Fine sandy loam
10-16		5YR4/6	5YR4/6	Common, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<div><input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors</div> <div><input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)</div>					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 41 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Paspalum sp.</i>	H	---	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6. <i>Juncus effusus</i>	H	OBL	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/6 = 67%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:   none   (in.)             Depth to Free Water in Pit:   none   (in.)             Depth to Saturated Soil:   none   (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 42 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:    12     (in.)              Depth to Saturated Soil:       11     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR3/4	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 43 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 44 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6. <i>Cirsium horridulum</i>	H	FAC	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/6 = 83%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:    13     (in.)              Depth to Saturated Soil:       11     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:													
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*													
*Soils were not determined by a professional soil scientist.																	
<b>Profile Description:</b>																	
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.												
0-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam												
Hydric Soil Indicators: <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Histosol</td> <td><input type="checkbox"/> Concretions</td> </tr> <tr> <td><input type="checkbox"/> Histic Epipedon</td> <td><input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Sulfidic Odor</td> <td><input type="checkbox"/> Organic Streaking in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Aquic Moisture Regime</td> <td><input type="checkbox"/> Listed on Local Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Reducing Conditions</td> <td><input type="checkbox"/> Listed on National Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Gleyed or Low-Chroma Colors</td> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table>						<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions	<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils	<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils	<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List	<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List	<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions																
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils																
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils																
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List																
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List																
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)																
Remarks: This site meets the criteria for hydric soils.																	

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 45 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    none    (in.)              Depth to Saturated Soil:    none    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 46 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:      none      (in.)              Depth to Free Water in Pit:    13      (in.)              Depth to Saturated Soil:       11      (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-6		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam
6-16		10YR4/2	5YR4/6	Many, large, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Concretions					
<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils					
<input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Organic Streaking in Sandy Soils					
<input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Listed on Local Hydric Soils List					
<input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Listed on National Hydric Soils List					
<input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 47 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6. <i>Rubus trivialis</i>	H	FAC	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/6 = 83%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    none    (in.)              Depth to Saturated Soil:    none    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-6		10YR3/2	5YR3/4	Common, small, distinct	Fine sandy loam
6-16		10YR4/2	5YR4/6	Many, medium, distinct	Fine sandy loam
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 48 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 49 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 50 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6. <i>Rubus trivialis</i>	H	FAC	14.		
7. <i>Setaria geniculata</i>	H	FAC	15.		
8. <i>Cirsium horridulum</i>	H	FAC	16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 7/8 = 88%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>13</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>11</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 51 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 52 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/5 = 80%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>14</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>12</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:													
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*													
*Soils were not determined by a professional soil scientist.																	
<b>Profile Description:</b>																	
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.												
0-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam												
Hydric Soil Indicators: <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Histosol</td> <td><input type="checkbox"/> Concretions</td> </tr> <tr> <td><input type="checkbox"/> Histic Epipedon</td> <td><input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Sulfidic Odor</td> <td><input type="checkbox"/> Organic Streaking in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Aquic Moisture Regime</td> <td><input type="checkbox"/> Listed on Local Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Reducing Conditions</td> <td><input type="checkbox"/> Listed on National Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Gleyed or Low-Chroma Colors</td> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table>						<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions	<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils	<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils	<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List	<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List	<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions																
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils																
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils																
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List																
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List																
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)																
Remarks: This site meets the criteria for hydric soils.																	

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 53 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Rubus trivialis</i>	H	FAC	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6. <i>Cirsium horridulum</i>	H	FAC	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/6 = 83%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 54 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR4/6	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 55 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Paspalum urvillei</i>	H	FAC	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/4 = 75%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>13</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>12</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR3/2	5YR4/6	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 56 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Panicum virgatum</i>	H	FACW	9.		
2. <i>Polygonum hydropiperoides</i>	H	OBL	10.		
3. <i>Sedge sp.</i>	H	---	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Dichanthelium sp.</i>	H	---	13.		
6. <i>Panicum capillare</i>	H	FAC	14.		
7. <i>Eleocharis smallii</i>	H	OBL	15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/7 = 71%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:   none     (in.)              Depth to Saturated Soil:     none     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/3	5YR4/6	Many, large, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 57 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Polygonum hydropiperoides</i>	H	OBL	9.		
2. <i>Panicum virgatum</i>	H	FACW	10.		
3. <i>Hydrocotyle umbellata</i>	H	OBL	11.		
4. <i>Panicum capillare</i>	H	FAC	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/5 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:     5     (in.)              Depth to Saturated Soil:     3     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-3		2.5Y3/1	7.5Y4/6	Many, small, distinct	Fine sandy loam
3-16		10YR4/2	5YR4/6	Many, large distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 58 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Lonicera japonica</i>	H/V	FAC	9.		
2. <i>Rubus louisianus</i>	H/V	FACW-	10.		
3. <i>Salix nigra</i>	T	FACW+	11.		
4. <i>Liquidambar styraciflua</i>	S	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/4 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-6		5YR3/4	---	---	Clay loam
6-16		10YR4/3	5YR4/6	Many, medium, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 59 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Lonicera japonica</i>	H/V	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Polygonum hydropiperoides</i>	H	OBL	11.		
4. <i>Hydrocotyle umbellata</i>	H	OBL	12.		
5. <i>Cephalanthus occidentalis</i>	H	OBL	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/5 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>14</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>12</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10		2.5Y3/2	5YR3/4	Many, small, distinct	Clay loam
10-16		10YR3/2	5YR3/4	Many, medium, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 60 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Lonicera japonica</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Salix nigra</i>	T	FACW	11.		
4. <i>Fraxinus pennsylvanica</i>	T	FACW-	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/4 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:   none     (in.)              Depth to Saturated Soil:     none     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-5		5YR4/4	---	---	Fine sandy loam
5-11		7.5YR4/4	2.5YR3/6	Many, small, distinct	Fine sandy loam
11-16		7.5YR4/4	2.5YR3/6	Many, large, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 61 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Panicum capillare</i>	H	FAC	9.		
2. <i>Rubus trivialis</i>	H	FAC	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:    14     (in.)              Depth to Saturated Soil:       12     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR3/4	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 62 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum capillare</i>	H	FAC	9.		
2. <i>Rubus trivialis</i>	H	FAC	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR3/4	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 63 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum capillare</i>	H	FAC	9.		
2. <i>Rubus trivialis</i>	H	FAC	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Paspalum urvillei</i>	H	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR4/2	5YR3/4	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 64 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum capillare</i>	H	FAC	9.		
2. <i>Polugonum hydropiperoides</i>	H	OBL	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/4 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR3/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 65 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum capillare</i>	H	FAC	9.		
2. <i>Rubus trivialis</i>	H	FAC	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/4 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>13</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>12</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR3/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 66 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum capillare</i>	H	FAC	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/3 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>11</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>10</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR3/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 67 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum capillare</i>	H	FAC	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/3 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:   11     (in.)              Depth to Saturated Soil:     10     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR3/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 68 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum notatum</i>	H	FAC	9.		
2. <i>Paspalum capillare</i>	H	FAC	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/4 = 75%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR3/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 69 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum capillare</i>	H	FAC	9.		
2. <i>Rubus louisianus</i>	H	FACW-	10.		
3. <i>Polygonum hydropiperoides</i>	H	OBL	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/4 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR3/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 70 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum capillare</i>	H	FAC	9.		
2. <i>Polygonum hydropiperoides</i>	H	OBL	10.		
3. <i>Juncus effusus</i>	H	OBL	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/3 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:    14     (in.)              Depth to Saturated Soil:       12     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR3/2	5YR4/6	Many, small, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 71 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Polygonum hydropiperoides</i>	H	OBL	9.		
2. <i>Juncus effusus</i>	H	OBL	10.		
3. <i>Paspalum urvillei</i>	H	FAC	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/3 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:    13     (in.)              Depth to Saturated Soil:       12     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8		10YR3/2	5YR4/6	Many, small, distinct	Clay loam
8-16		10YR4/1	5YR3/4	Many, large, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 72 Alt G, in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Paspalum urvillei</i>	H	FAC	9.		
2. <i>Cirsium horridulum</i>	H	FAC	10.		
3. <i>Cynodon dactylon</i>	H	FACU+	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/4 = 75%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	



## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8		10YR3/2	5YR4/6	Many, small, distinct	Clay loam
8-16		10YR4/1	5YR3/4	Many, large, distinct	Clay loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 73 Alt G, seep in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1.			9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)					
Remarks: There is no vegetation inside the area – appears to be a seep.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:      1            (in.)              Depth to Free Water in Pit:    0            (in.)              Depth to Saturated Soil:        0            (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology. The seep appears to run downhill toward Stevenson Branch, then goes back underground.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10		10YR2/1	---	---	Fine sandy loam
10-16		10YR4/2	5YR5/8	Common, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: Although no vegetation exists within the area, this site is located within a wetland because wetland hydrology and hydric soils are present.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Jeff Allen, Christine Hasselbeck	Date: 1/24/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: WDP 74 Alt G, adjacent to seep in floodplain just S of Stevenson Branch

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ulmus americana</i>	T	FAC	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Ilex opaca</i>	S	FACU	11.		
4. <i>Liquidambar styraciflua</i>	T	FAC	12.		
5. <i>Quercus falcate</i>	T	FACU	13.		
6. <i>Smilax rotundifolia</i>	H/V	FAC	14.		
7. <i>Juniperus virginiana</i>	S	FACU-	15.		
8. <i>Lonicera japonica</i>	H/V	FAC	16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/8 = 63%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:     none     (in.)              Depth to Saturated Soil:     none     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-10		10YR3/3	5YR3/4	Many, small, distinct	Fine sandy loam
10-16		10YR4/3	5YR3/4	Many, small, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Christine Hasselbeck, Patrick Kainer		Date: 2/5/08 County: Smith State: Texas
Do Normal Circumstances exist on the site:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: Transect ID: Plot ID: 75 Tributary to Duck Creek, Alt G
Is the site significantly disturbed (Atypical Situation)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the area a potential Problem Area? (If needed, explain on reverse)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Quercus nigra</i>	T	FAC+	9.		
2. <i>Quercus falcata</i>	T	FACU	10.		
3. <i>Smilax rotundifolia</i>	V	FAC	11.		
4. <i>Juniperus virginiana</i>	T	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 2/4 = 50%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <span>Depth of Surface Water:</span> <span>none</span> <span>(in.)</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Depth to Free Water in Pit:</span> <span>none</span> <span>(in.)</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Depth to Saturated Soil:</span> <span>none</span> <span>(in.)</span> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology. This site is adjacent to a water of the U.S. with an ordinary high water mark of approximately 6 feet. Water was present within the channel.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		2.5 YR 3/6	---	---	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Christine Hasselbeck, Patrick Kainer	Date: 2/6/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 76 Tributary to Prairie Creek, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Lonicera japonica</i>	V	FAC	9.		
2. <i>Quercus falcata</i>	T	FACU	10.		
3. <i>Smilax rotundifolia</i>	V	FAC	11.		
4. <i>Juniperus virginiana</i>	T	FACU	12.		
5. <i>Liquidambar styraciflua</i>	T	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/5 = 60%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology. This site is adjacent to a water of the U.S. with an ordinary high water mark of approximately 6 feet. Water was present within the channel, flowing east. Water was observed seeping out of the sides of the channel (channel is located between two hills) and into creek.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-4		10YR5/8	---	---	Sand
4-8		7.5YR4/6	---	---	Sand
8-16		10YR6/4	7.5YR5/8	Few, small, distinct	Sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors <input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Christine Hasselbeck, Patrick Kainer	Date: 2/7/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 77 Tributary to Duck Creek, Alt D

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Lonicera japonica</i>	V	FAC	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Smilax rotundifolia</i>	V	FAC	11.		
4. <i>Juniperus virginiana</i>	T	FACU	12.		
5. <i>Berchemia scandens</i>	V	FAC+	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology. This site is adjacent to a water of the U.S. with an ordinary high water mark of approximately 4 feet.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-3		5YR3/3	---	---	Fine sandy loam
3-16		2.5YR3/6	---	---	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Christine Hasselbeck, Patrick Kainer	Date: 2/5/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 78 Non-jurisdictional drainage, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Lonicera japonica</i>	V	FAC	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Smilax rotundifolia</i>	V	FAC	11.		
4. <i>Liquidambar styraciflua</i>	T	FAC	12.		
5. <i>Berchemia scandens</i>	V	FAC+	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/5 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology. This site is adjacent to a channel with a width varying between 2-12 feet (average 4 feet). The channel is located between two hills and has water pooled in some places. This channel was determined not to be jurisdictional because of a lack of connectivity to other jurisdictional waters (no significant nexus). It appears to be an eroded low spot between the hills.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		5YR4/6	10YR3/1	Many, small, distinct	Sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Christine Hasselbeck, Patrick Kainer	Date: 2/5/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 79 Western branch of Tributary to Long Brake Creek, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Lonicera japonica</i>	V	FAC	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Smilax rotundifolia</i>	V	FAC	11.		
4. <i>Juniperus virginiana</i>	T	FACU	12.		
5. <i>Liquidambar styraciflua</i>	T	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology. This site is adjacent to a water of the U.S. with an ordinary high water mark of approximately 6 feet.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR5/8	---	---	Sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Christine Hasselbeck, Patrick Kainer	Date: 2/5/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 80 Eastern branch of Tributary to Long Brake Creek, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Lonicera japonica</i>	V	FAC	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Smilax rotundifolia</i>	V	FAC	11.		
4. <i>Juniperus virginiana</i>	T	FACU	12.		
5. <i>Liquidambar styraciflua</i>	T	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/5 = 80%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <span>Depth of Surface Water:</span> <span>none</span> <span>(in.)</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Depth to Free Water in Pit:</span> <span>none</span> <span>(in.)</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Depth to Saturated Soil:</span> <span>none</span> <span>(in.)</span> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology. This site is adjacent to a water of the U.S. with an ordinary high water mark of approximately 4 feet.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10YR5/8	---	---	Sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: Christine Hasselbeck, Patrick Kainer	Date: 2/5/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 81 Tributary to Eastern branch of Tributary to Long Brake Creek, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Chasmanthium latifolium</i>	H	FAC	9.		
2. <i>Quercus nigra</i>	T	FAC+	10.		
3. <i>Smilax rotundifolia</i>	V	FAC	11.		
4. <i>Liquidambar styraciflua</i>	T	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 4/4 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    none    (in.)              Depth to Saturated Soil:    none    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology. This site is adjacent to a water of the U.S. with an ordinary high water mark of approximately 3 feet.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		7.5YR5/8	---	---	Sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/19/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 82 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Acer rubrum</i>	T	FAC	10.		
3. <i>Smilax rotundifolia</i>	V	FAC	11.		
4. <i>Ilex vomitoria</i>	S	FAC-	12.		
5. <i>Ilex opaca</i>	S	FACU	13.		
6. <i>Lonicera japonica</i>	V	FAC	14.		
7. <i>Toxicodendron radicans</i>	V	FAC	15.		
8. <i>Carex sp.</i>	H	---	16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/8 = 63%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology. There are clear drift lines and evidence of recent sheet flow.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		10 YR 3/2	---	---	Loamy sand
2-8		10 YR 4/4	5YR 3/4	Few, medium, distinct	Loamy sand
8-16		10 YR 5/4	5 YR 3/4	Common, small, distinct	Sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/19/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 83 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Liquidambar styraciflua</i>	T	FAC	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/4 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>8</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>5</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-3		10 YR 3/3	---	---	Fine sandy loam
3-8		10 YR 4/2	5YR 3/4	Common, medium, distinct	Sandy loam
8-16		10 YR 5/3	5 YR 4/6	Common, medium, distinct	Sand
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Histosol  <input type="checkbox"/> Histic Epipedon  <input type="checkbox"/> Sulfidic Odor  <input type="checkbox"/> Aquic Moisture Regime  <input type="checkbox"/> Reducing Conditions  <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors </div> <div> <input type="checkbox"/> Concretions  <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils  <input type="checkbox"/> Organic Streaking in Sandy Soils  <input type="checkbox"/> Listed on Local Hydric Soils List  <input type="checkbox"/> Listed on National Hydric Soils List  <input type="checkbox"/> Other (Explain in Remarks) </div> </div>					
Remarks: This site meets the criteria for hydric soils due to saturation and low chroma colors.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/19/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 84 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Liquidambar styraciflua</i>	T	FAC	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5. <i>Acer rubrum</i>	T	FAC	13.		
6. <i>Quercus falcata</i>	S	FACU	14.		
7. <i>Quercus nigra</i>	S	FAC+	15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 6/7 = 86%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:    14     (in.)              Depth to Saturated Soil:       11     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		10 YR 3/3	---	---	Fine sandy loam
2-5		10 YR 4/3	5YR 3/4	Few, small, distinct	Fine sandy loam
5-8		10YR 5/3	5 YR 5/6	Few, small, distinct	Loamy sand
8-16		10 YR 5/3	5 YR 5/6	Few, small, distinct	Sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/19/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 85 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Liquidambar styraciflua</i>	T	FAC	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5. <i>Nyssa sylvatica</i>	S	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/5 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:     8     (in.)              Depth to Saturated Soil:     5     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		10 YR 3/3	---	---	Fine sandy loam
2-6		10 YR 4/3	5YR 3/4	Common, small, distinct	Fine sandy loam
6-16		2.5Y 5/3	5 YR 5/6	Many, small, distinct	Loamy sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/19/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 86 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Liquidambar styraciflua</i>	T	FAC	10.		
3. <i>Nyssa sylvatica</i>	T	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/4 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <span>Depth of Surface Water:</span> <span>none</span> <span>(in.)</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Depth to Free Water in Pit:</span> <span>4</span> <span>(in.)</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Depth to Saturated Soil:</span> <span>2</span> <span>(in.)</span> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		10 YR 3/3	---	---	Fine sandy loam
2-6		10 YR 4/2	5YR 3/3	Few, small, distinct	Fine sandy loam
6-16		2.5Y 5/3	5 YR 4/4	Many, small, distinct	Loamy sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/19/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 87 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Liquidambar styraciflua</i>	T	FAC	10.		
3. <i>Juncus effusus</i>	H	OBL	11.		
4. <i>Nyssa sylvatica</i>	T	FAC	12.		
5. <i>Acer rubrum</i>	S	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 6/7 = 86%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:     7     (in.)              Depth to Saturated Soil:     4     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-1		10 YR 3/3	---	---	Fine sandy loam
1-3		10 YR 4/2	5 YR 3/3	Few, small, distinct	Fine sandy loam
3-16		10 YR 6/2	5 YR 4/6	Common, small, distinct	Loamy sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/19/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 88 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Nyssa sylvatica</i>	S	FAC	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5. <i>Acer rubrum</i>	T	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 5/5 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    6    (in.)              Depth to Saturated Soil:    3    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		10 YR 3/3	---	---	Fine sandy loam
2-4		10 YR 4/2	5YR 3/3	Few, small, distinct	Fine sandy loam
4-8		10YR 5/3	5 YR 5/6	Few, medium, distinct	Loamy sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils due to low chroma color and mottles.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/19/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 89 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Liquidambar styraciflua</i>	T	FAC	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Nyssa sylvatica</i>	S	FAC	12.		
5. <i>Acer rubrum</i>	T	FAC	13.		
6. <i>Carex sp.</i>	H	---	14.		
7. <i>Quercus nigra</i>	S	FAC+	15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 6/7 = 86%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:     9     (in.)              Depth to Saturated Soil:     6     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-4		10 YR 3/3	---	---	Fine sandy loam
4-16		10 YR 5/3	5 YR 5/6	Few, medium, distinct	Sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/19/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 90 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Ilex vomitoria</i>	S	FAC-	9.		
2. <i>Liquidambar styraciflua</i>	T	FAC	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Ilex opaca</i>	S	FACU	12.		
5. <i>Acer rubrum</i>	T	FAC	13.		
6. <i>Nyssa sylvatica</i>	S	FAC	14.		
7. <i>Quercus nigra</i>	S	FAC+	15.		
8. <i>Myrica cerifera</i>	S	FAC	16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 6/8 = 75%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations	
				Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-4		10 YR 2/1	---	---	Fine sandy loam
4-16		10 YR 7/3	7.5 YR 3/4	Fine, medium, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 91 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Pinus echinata</i>	T	---	9.		
2. <i>Pinus taeda</i>	T	FAC-	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5. <i>Ulmus alata</i>	S	FACU	13.		
6. <i>Myrica cerifera</i>	S	FAC	14.		
7. <i>Ilex opaca</i>	S	FACU	15.		
8. <i>Ilex vomitoria</i>	S	FAC-	16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 3/8 = 38%					
Remarks: This site does not meet the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology. This site is adjacent to a water of the U.S. (Davis Branch) with an ordinary high water mark of approximately 14 feet.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		10 YR 2/2	---	---	Fine sandy loam
2-4		10 YR 5/4	---	---	Fine sandy loam
4-16		10 YR 5/4	---	---	Sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydrophytic vegetation and hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 92 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Liquidambar styraciflua</i>	T	FAC	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5. <i>Ulmus Americana</i>	T	FAC	13.		
6.			14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 5/5 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-4		10 YR 3/2	---	---	Fine sandy loam
4-16		10 YR 6/4	---	---	Sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 93 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Ulmus alata</i>	T	FACU	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5. <i>Berchemia scandens</i>	V	FAC+	13.		
6. <i>Ilex vomitoria</i>	S	FAC-	14.		
7. <i>Ilex opaca</i>	S	FACU	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/7 = 57%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>12</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>10</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-3		10 YR 6/4	5 YR 4/6	Few, small, distinct	Loamy sand
3-8		10 YR 4/3	---	---	Silt loam
8-16		10 YR 4/6	---	---	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils. The upper layer of the soil consists of recent silt.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 94 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juncus effusus</i>	H	OBL	9.		
2. <i>Lonicera japonica</i>	V	FAC	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 2/2 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     10     (in.)              Depth to Free Water in Pit:   ---     (in.)              Depth to Saturated Soil:     ---     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology. This site is a roadside ditch adjacent to "Beggs Rd."	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-3		10 YR 5/4	---	---	Fine sandy loam
3-16		2.5 Y 4/3	5 YR 3/4	Common, medium, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 95 Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Betula nigra</i>	T	FACW	9.		
2. <i>Liquidambar styraciflua</i>	T/S	FAC	10.		
3. <i>Lonicera japonica</i>	V	FAC	11.		
4. <i>Juncus effusus</i>	H	OBL	12.		
5. <i>Cyperus sp.</i>	H	---	13.		
6. <i>Cirsium horridulum</i>	H	FAC	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/6 = 83%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-4		10 YR 5/4	2.5 YR 4/8	Few, small, distinct	Silt loam
4-16		10 YR 4/4	7.5 YR 4/4	Many, small, distinct	Silt loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils due to the presence of gleyed colors.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 96 Tributary to Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Liquidambar styraciflua</i>	T/S	FAC	9.		
2. <i>Betula nigra</i>	T/S	FACW	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5. <i>Acer rubrum</i>	S	FAC	13.		
6.			14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/5 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation. This site is a woodland slope up from a wet area, with no herbaceous vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>none</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-2		7.5 YR 6/2	---	---	Sand
2-6		10 YR 3/2	---	---	Fine sandy loam
6-16		10 YR 3/4	---	---	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 97 Tributary to Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Liquidambar styraciflua</i>	T/S	FAC	9.		
2. <i>Betula nigra</i>	T/S	FACW	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5. <i>Cephalanthus occidentalis</i>	S	OBL	13.		
6. <i>Myrica cerifera</i>	S	FAC	14.		
7.			15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 6/6 = 100%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="display: flex; justify-content: space-between;"> <div>Depth of Surface Water:</div> <div>none</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Free Water in Pit:</div> <div>11</div> <div>(in.)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Depth to Saturated Soil:</div> <div>8</div> <div>(in.)</div> </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: This site meets the criteria for wetland hydrology. This site is adjacent to a water of the U.S. (tributary to Davis Branch) with an ordinary high water mark of approximately 3 feet.

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8		2.5 Y 4/2	7.5 YR 3/4	Common, small, distinct	Fine sandy loam
8-16		2.5 Y 5/2	10 YR 3/4	Few, small, distinct	Sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 98 Tributary to Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Liquidambar styraciflua</i>	T/S	FAC	9.		
2. <i>Betula nigra</i>	T/S	FACW	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Ilex opaca</i>	S	FACU	12.		
5. <i>Ligustrum sinense</i>	S	UPL	13.		
6. <i>Berchemia scandens</i>	V	FAC+	14.		
7. <i>Dichanthelium sp.</i>	H	---	15.		
8. <i>Chasmanthium latifolium</i>	H	FAC	16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 5/8 = 63%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:     none     (in.)              Depth to Free Water in Pit:   none     (in.)              Depth to Saturated Soil:     none     (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:													
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*													
*Soils were not determined by a professional soil scientist.																	
<b>Profile Description:</b>																	
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.												
0-11		10 YR 5/4	---	---	Fine sandy loam												
11-16		2.5 Y 6/3	5 YR 4/6	Common, large, distinct	Sand												
Hydric Soil Indicators: <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Histosol</td> <td><input type="checkbox"/> Concretions</td> </tr> <tr> <td><input type="checkbox"/> Histic Epipedon</td> <td><input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Sulfidic Odor</td> <td><input type="checkbox"/> Organic Streaking in Sandy Soils</td> </tr> <tr> <td><input type="checkbox"/> Aquic Moisture Regime</td> <td><input type="checkbox"/> Listed on Local Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Reducing Conditions</td> <td><input type="checkbox"/> Listed on National Hydric Soils List</td> </tr> <tr> <td><input type="checkbox"/> Gleyed or Low-Chroma Colors</td> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table>						<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions	<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils	<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils	<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List	<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List	<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions																
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils																
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils																
<input type="checkbox"/> Aquic Moisture Regime	<input type="checkbox"/> Listed on Local Hydric Soils List																
<input type="checkbox"/> Reducing Conditions	<input type="checkbox"/> Listed on National Hydric Soils List																
<input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Other (Explain in Remarks)																
Remarks: This site does not meet the criteria for hydric soils.																	

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 99 Tributary to Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Juniperus virginiana</i>	S	FACU-	9.		
2. <i>Betula nigra</i>	T/S	FACW	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5. <i>Acer rubrum</i>	S	FAC	13.		
6. <i>Cyperus sp.</i>	H	---	14.		
7. <i>Dichanthelium sp.</i>	H	---	15.		
8.			16.		

Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)  
 4/7 = 57%

Remarks: This site meets the criteria for hydrophytic vegetation.

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    12    (in.)              Depth to Saturated Soil:    9    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-5		10 YR 4/3	5 YR 4/4	Many, small, distinct	Fine sandy loam
5-16		10 YR 6/4	5 YR 4/6	Many, small, distinct	Sand
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of hydric soils.	



**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 100 Tributary to Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Liquidambar styraciflua</i>	T/S	FAC	9.		
2. <i>Salix nigra</i>	T	FACW+	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Lonicera japonica</i>	V	FAC	12.		
5. <i>Cephalanthus occidentalis</i>	S	OBL	13.		
6. <i>Myrica cerifera</i>	S	FAC	14.		
7.			15.		
8.			16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-)					
6/6 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:   none   (in.)             Depth to Free Water in Pit:   1   (in.)             Depth to Saturated Soil:   0   (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input checked="" type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site meets the criteria for wetland hydrology. This site is adjacent to a water of the U.S. with an ordinary high water mark of approximately 3 feet.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-8		10 YR3/4	---	---	
8-16		10 YR 3/1	---	---	
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site meets the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Remarks: This site is located within a wetland.	

**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
**(1987 COE Wetlands Delineation Manual)**

Project/Site: US 69/LP 49 Lindale Relief Route Applicant/Owner: TxDOT Investigator: John Kuhl, Jeff Allen	Date: 2/20/08 County: Smith State: Texas
Do Normal Circumstances exist on the site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the site significantly disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is the area a potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If needed, explain on reverse)	Community ID: Transect ID: Plot ID: 101 Tributary to Davis Branch, both alternatives

**VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Liquidambar styraciflua</i>	T/S	FAC	9.		
2. <i>Betula nigra</i>	T/S	FACW	10.		
3. <i>Smilax bona-nox</i>	V	FAC	11.		
4. <i>Quercus nigra</i>	T	FAC+	12.		
5. <i>Acer rubrum</i>	S	FAC	13.		
6. <i>Forestiera pubescens</i>	S	FAC	14.		
7. <i>Toxicodendron radicans</i>	V	FAC	15.		
8. <i>Chasmanthium laxum</i>	H	FAC	16.		
Percent of Dominant Species that are OBL, FACW or FAC (Excluding FAC-) 8/8 = 100%					
Remarks: This site meets the criteria for hydrophytic vegetation.					

**HYDROLOGY**

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available  Field Observations:  <div style="margin-left: 40px;">           Depth of Surface Water:    none    (in.)              Depth to Free Water in Pit:    none    (in.)              Depth to Saturated Soil:    none    (in.)         </div>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: This site does not meet the criteria for wetland hydrology. This site is adjacent to a water of the U.S. with an ordinary high water mark of approximately 12 feet.	

## SOILS

Map Unit Name (Series and Phase):				Drainage Class:	
Taxonomy (Subgroup):				Field Observations Confirm Mapped type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No*	
*Soils were not determined by a professional soil scientist.					
<b>Profile Description:</b>					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, Concretions, Structure, etc.
0-16		10 YR 5/3	5 YR 5/8	Many, fine, distinct	Fine sandy loam
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors					
<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)					
Remarks: This site does not meet the criteria for hydric soils.					

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is this Sampling Point Within a Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This site is not located within a wetland due to the lack of wetland hydrology and hydric soils.	



## **APPENDIX D**

### **HAZARDOUS MATERIALS DATABASE REPORT**





# Environmental Data Search

for the site

**North Lindale Relief Route  
US 69 / LP 49, Lindale, TX**

**99121B**

performed for

**Hicks & Company**

12/14/2010

HICY6675

**[www.TelALL.net](http://www.TelALL.net)**

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(800) 583-0004 by fax (888) 756-7647

## Preface

This document of environmental concerns near US 69 / LP 49, Lindale, TX reports findings of the TelALL data search, prepared on the request of Hicks & Company.

TelALL Corporation (TelALL) has designed this document to comply with the AAI and ASTM standard E 1527 - 05 (Accuracy and Completeness) and has used all available resources, but makes no claim to the entirety or accuracy of the cited government, state, or tribal records. Our databases are updated at least every 90 days or as soon as possible after publication by the referenced agencies. The following fields of governmental, state, and tribal databases may not represent all known, unknown, or potential sources of contamination to the referenced site. Many different variables effect the outcome of the following document. TelALL maintains extremely high standards, and stringent procedures that are used to search the referenced data. However, TelALL reserves the right at any time to amend any information related to this report. If there is a need for further information regarding this report, or for any customer support please call TelALL at 800 583-0004 for assistance.

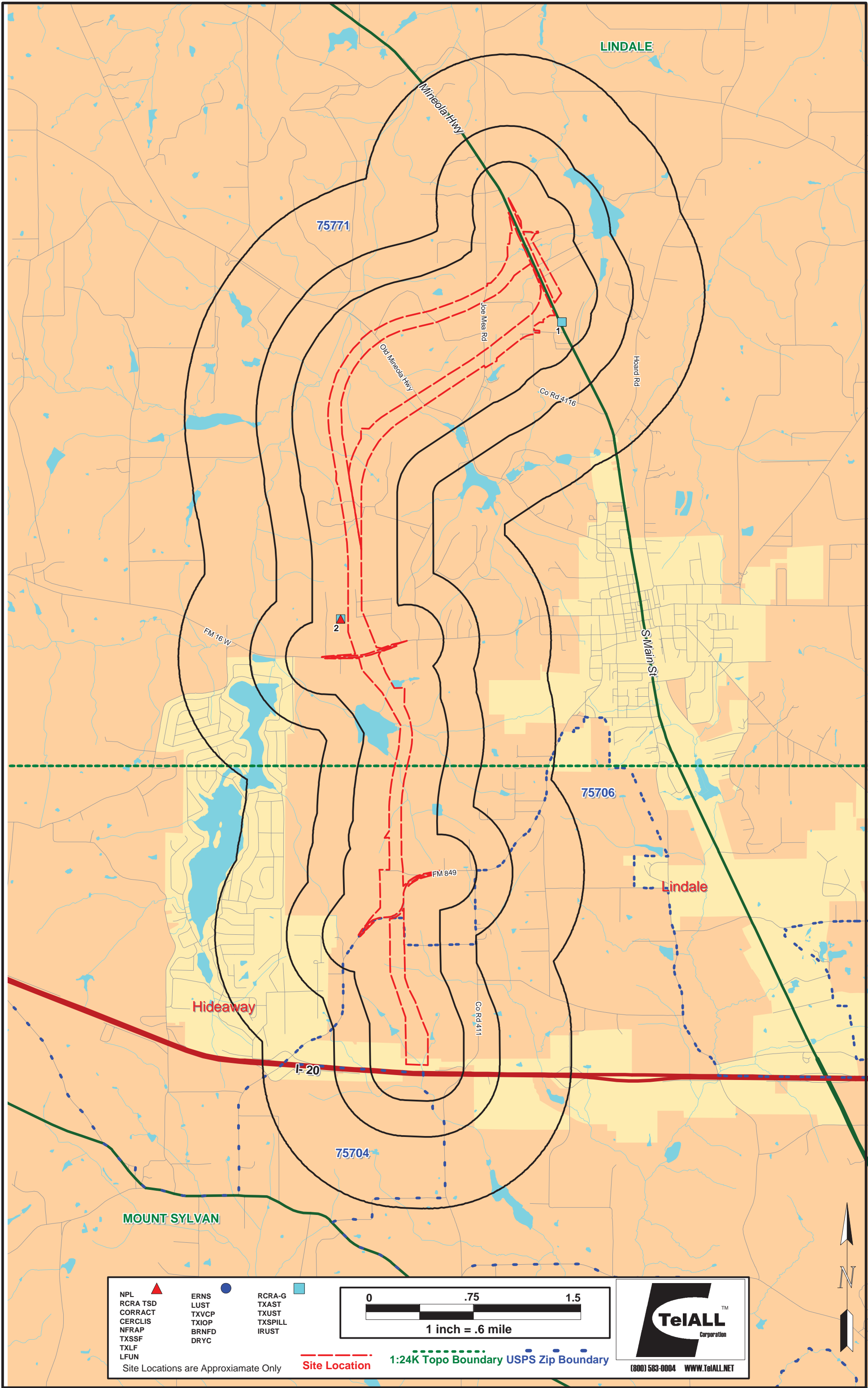
This report is divided into the following components:

<b>MAP</b>	Identified geocodeable findings relative to this data search.
<b>SUMMARY 1</b>	Sorting of the identified sites by distance from the subject site.
<b>FINAL</b>	A description of each database and a detailed explanation of findings.

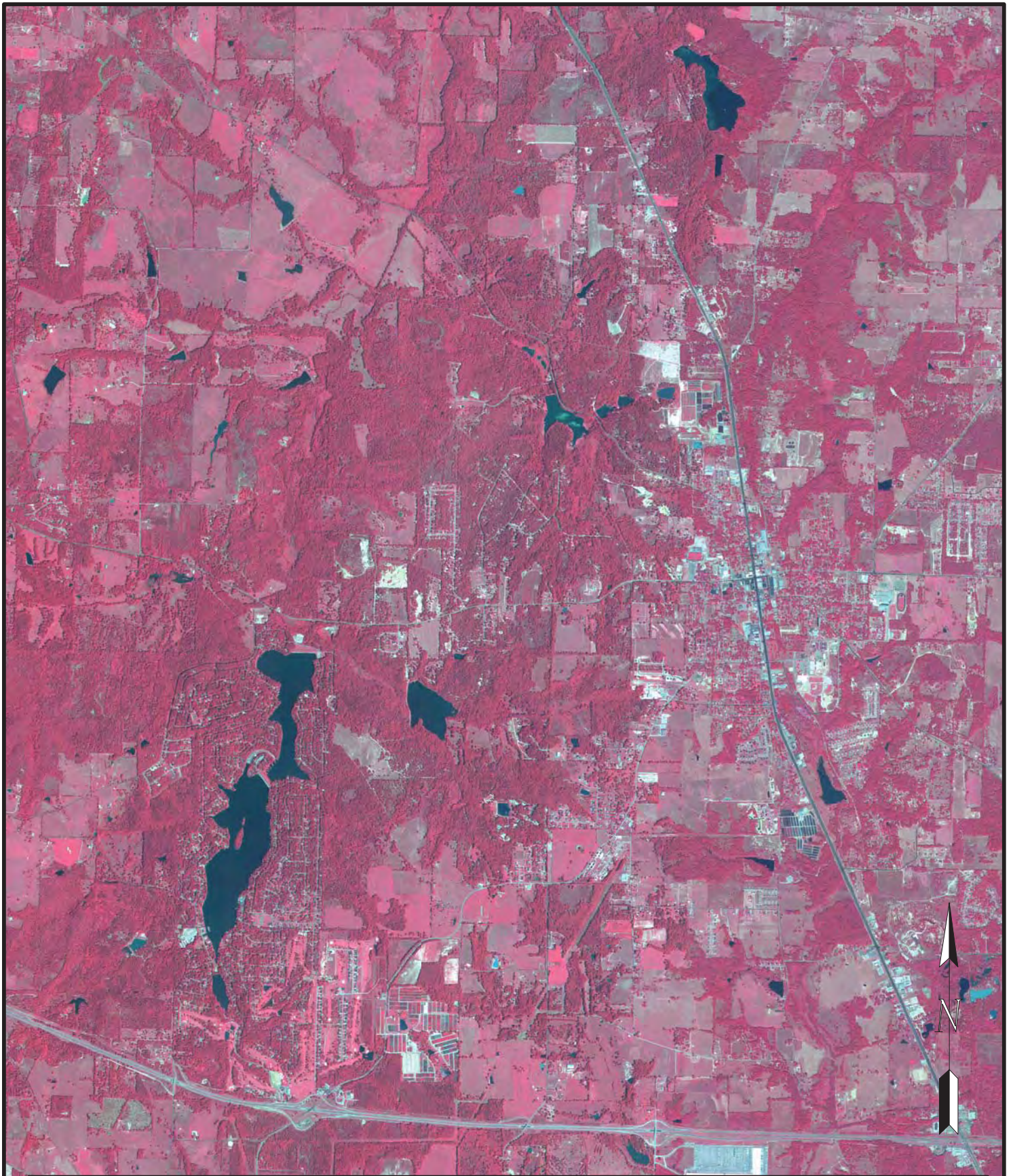
## Sources

Database	Acronym	Last Updated	Minimum Search Distance	Findings
National Priority List	NPL	09/2010	1	0
Comprehensive Environmental Response, Compensation, and Liability Information System	CERCLIS	09/2010	0.5	0
No Further Remedial Action Planned	NFRAP	09/2010	0.5	0
Resource Conservation and Recovery Information System - Treatment Storage or Disposal	RCRA TSD	10/2010	1	0
Corrective Action	CORRACT	10/2010	1	0
Resource Conservation and Recovery Information System - Generators	RCRA-G	10/2010	0.25	1
Emergency Response Notification System	ERNS	11/2010	0.25	0
Texas Voluntary Cleanup Program	TXVCP	10/2010	0.5	0
Innocent Owner/Operator Program	TXIOP	10/2010	0.5	0
Texas State Superfund	TXSSF	11/2010	1	0
TCEQ Solid Waste Facilities	TXLF	09/2010	1	3
Unauthorized and Unpermitted Landfill Sites	LFUN	09/2010	0.5	0
Leaking Underground Storage Tanks	TXLUST	11/2010	0.5	0
Texas Underground Storage Tanks	TXUST	11/2010	0.25	3
Texas Above Ground Storage Tanks	TXAST	11/2010	0.25	0
Texas Spills List	TXSPILL	09/2010	0.25	0
Brownfield	BRNFD	10/2010	0.5	0
Dry Cleaner	DRYC	11/2010	0.5	0
Indian Reservation Underground Storage Tanks	IRUST	11/2010	0.25	0

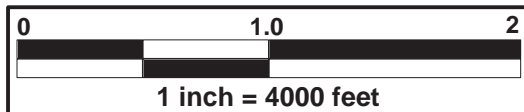






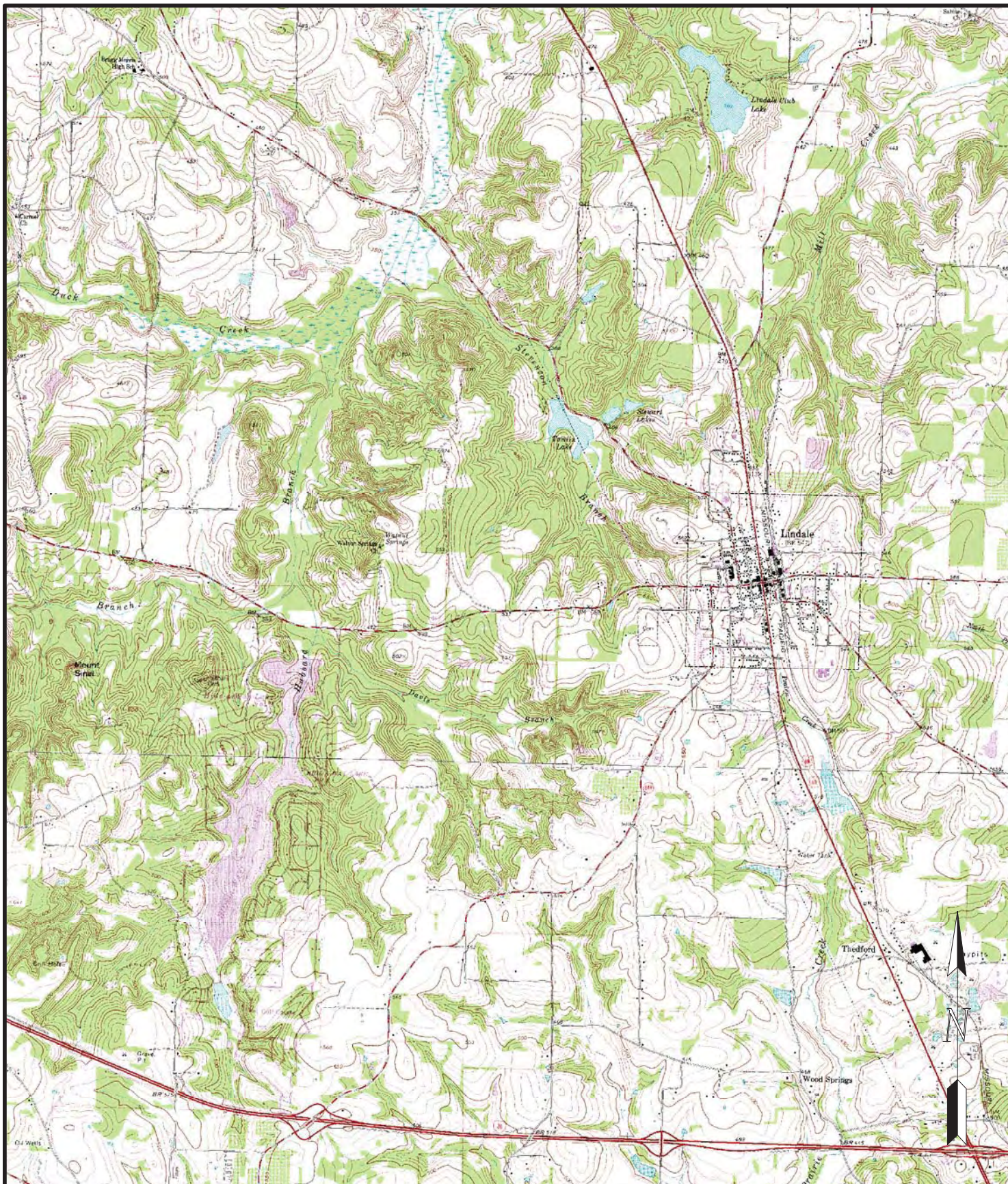


**2004 NAIP Photograph**  
(Infrared Image)

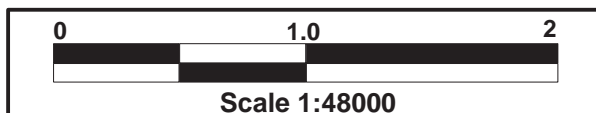


**TelALL**<sup>TM</sup>  
Corporation  
(800) 583-0004 [WWW.TelALL.NET](http://WWW.TelALL.NET)





To identify the map date and or revision date  
please call TRNIS at 512-463-8337.



(800) 583-0004 [WWW.TeiALL.NET](http://WWW.TeiALL.NET)

**Current USGS 7.5 Minute Topographic Map**



99121B  
North Lindale Relief Route  
US 69 / LP 49, Lindale, TX

# Sites Sorted By Distance from Center

Page 1  
Job HICY6675  
Date 12/14/2010

Distance/Direction	Database	Site Number	Address	City/State	Site Name
					IRUST NO FINDINGS WITHIN 1/4 MILE.
					NPL NO FINDINGS WITHIN ONE MILE.
					CERCLIS NO FINDINGS WITHIN 1/2 MILE.
					NFRAP NO FINDINGS WITHIN 1/2 MILE.
					CORRACT NO FINDINGS WITHIN ONE MILE.
					ERNS NO FINDINGS WITHIN 1/4 MILE.
					TXVCP NO FINDINGS WITHIN 1/2 MILE.
					RCRA TSD NO FINDINGS WITHIN ONE MILE.
					TXAST NO FINDINGS WITHIN 1/4 MILE.
					TXLUST NO FINDINGS WITHIN 1/2 MILE.
					TXSSF NO FINDINGS WITHIN ONE MILE.
					TXSPILL NO FINDINGS WITHIN 1/4 MILE.
					LFUN NO FINDINGS WITHIN 1/2 MILE.
					TXIOP NO FINDINGS WITHIN 1/2 MILE.
					BRNFD NO FINDINGS WITHIN 1/2 MILE.
					DRYC NO FINDINGS WITHIN 1/2 MILE.
.05					
	W	RCRA-G	2	16988 COUNTY ROAD 476	LINDALE HAWLEY SANITATION
	W	TXLF	2	16988 COUNTY ROAD 476 LINDALE, TX 7	SMITH HAWLEY RECYCLING
.08					
	S E	TXUST	1	N HWY 69	LINDALE MEA NURSERY
	S E	TXUST	1	N HWY 69	LINDALE MEA NURSERY
	S E	TXUST	1	N HWY 69	LINDALE MEA NURSERY
<b>Site Location Unknown</b>					
		TXLF	unknown	2.5 MILES W OF JUNCTION OF US HIGHW	SMITH HIDE-A-WAY LAKE LANDFILL
		TXLF	unknown	3.5 MILES W OF LINDALE ON FM 16 LIND	SMITH CITY OF LINDALE LANDFILL



---

**NPL****National Priority List**

NPL is a priority subset of the CERCLIS list. (See CERCLIS, below) The Cerclis list was created by the Comprehensive Environmental Response, Compensation and Liability Acts (CERCLA) need to track contaminated sites. CERCLA was enacted on 12/11/80, and amended by the Superfund Amendments and Reauthorization Act of 1986. These acts established broad authority for the government to respond to problems posed by the release, or threat of release of hazardous substances, pollutants, or contaminants. CERCLA also imposed liability on those responsible for releases and provided the authority for the government to undertake enforcement and abatement action against responsible parties. Institutional/Engineering Controls searched. Delisted NPL sites are included.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** NPL

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**CERCLIS****Comprehensive Environmental Response, Compensation, and Liability Information System**

CERCLIS is the official repository for site and non-site specific Superfund data in support of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). It contains information on hazardous waste site assessment and remediation from 1983 to the present. CERCLIS information is used to report official Superfund accomplishments to Congress and the public, assist EPA Regional and Headquarters managers in evaluating the status and progress of site cleanup actions, track Superfund Comprehensive Accomplishments Plan (SCAP), and communicate planned activities and budgets. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** CERCLIS

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

## **NFRAP**

### **No Further Remedial Action Planned**

NFRAP Sites indicate a CERCLIS site that was designated "No further remedial action planned" by the EPA February 1995. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** NFRAP

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

## **RCRA TSD**

### **Resource Conservation and Recovery Information System - Treatment Storage or Disposal**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA TSD (Treatment Storage or Disposal) is a subset of the RCRIS list. RCRA TSD tracks facilities that fall under the Treatment Storage or Disposal classification.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** RCRA TSD

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**CORRACT****Corrective Action**

CORRACT lists RCRIS (Resource Conservation and Recovery Information System) sites that are currently under corrective action. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** CORRACT

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**RCRA-G****Resource Conservation and Recovery Information System - Generators**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste, are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA-G (Generators) list is a subset of the RCRIS list. RCRA-G tracks facilities that fall under the generators or transporters classification.

*CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS (CESQG) produce less than 100 kg per month of hazardous waste. SMALL QUANTITY GENERATORS (SQG) produce at least 100 kg per month but less than 1000 kg per month of hazardous waste. LARGE QUANTITY GENERATORS (LQG) produce at least 1000 kg per month of hazardous waste. Source: United States Environmental Protection Agency (EPA)*

**2**

**Database:** RCRA-G

**Site:** HAWLEY SANITATION

**Distance:** 0.046 W

**Address** 16988 COUNTY ROAD 476

**Zip Code** 75771

**City:** LINDALE

Site EPA ID: TXR000078050 - Type of site: Transporter Contact Information: JIMMY HAWLEY, PO BOX 1121 LINDALE, TX, 75771; tel. 903-882-4839 OR NAIC (North American Industrial Classification) Code(s): 562112

---

**ERNS****Emergency Response Notification System**

ERNS supports the release notification requirements of section 103 of the Comprehensive Environmental Response Compensation, and Liability Act (CERCLA), as amended; section 311 of the Clean Water Act; and sections 300.51 and 300.65 of the National Oil and Hazardous Substances Contingency Plan. Additionally, ERNS serves as a mechanism to document and verify incident-location information as initially reported, and is utilized as a direct source of easily accessible data, needed for analyzing oil and hazardous substances spills.

*Source: National Response Center (NRC)*

**Database:** ERNS

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**TXVCP****Texas Voluntary Cleanup Program**

Created under HB 2296, The Voluntary Cleanup Program (VCP) was established on 09/01/95 to provide administrative, technical, and legal reasons to promote the cleanup of tainted sites in Texas. Since future lenders and landowners get protection from liability to the State of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate deals at those sites are removed. As a result, many unused or under used sites may be restored to economically productive or community beneficial uses. After cleanup, the parties get a certificate of completion from the TCEQ which states that all lenders and future land owners who are not PRP's are free from all liability to the State. Institutional/Engineering Controls searched.

*Parts of the above description were taken from the TCEQ/VCP Website (<http://www.TCEQ.state.tx.us/permitting/remed/vcp/>).*

*The investigation phases are listed as INVESTIGATION, REMEDIATION, POST-CLOSURE, and COMPLETE.*

*Contaminant Categories (PERC and BTEX). Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXVCP

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**



---

**TXIOP****Innocent Owner/Operator Program**

The TX IOP, created by House Bill 2776 of the 75th Leg, provides a cert. to an innocent owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not loc. on the prop., and they did not cause or contribute to the source or sources of contamination. Like the TxVCP Prog., the IOP can be used as a redevelopment tool or as a tool to add value to a contaminated prop. by providing an Innocent Owner/Operator Certificate (IOC). However, unlike the VCP release of liability, IOCs are not trans. to future owners/oper's. Future owners/oper's are eligible to enter the IOP and may rec. an IOC only after they become an owner or operator of the site.

*The above description were taken from the TCEQ/IOP Website  
(<http://www.TCEQ.state.tx.us/permitting/remed/vcp/iop.html>).  
Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXIOP

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**TXSSF****Texas State Superfund**

The Texas State Superfund database is a list of sites that the State of Texas has identified for investigation or remediation. Texas State Superfund sites are reviewed for potential upgrading to Comprehensive Environmental Response, Compensation, and Liability Information System status by the federal Environmental Protection Agency. Institutional/Engineering Controls searched.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXSSF

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**TXLF****TCEQ Solid Waste Facilities**

Texas Commission on Environmental Quality (TCEQ) Requires municipalities and counties to report known active and inactive landfills. Texas Landfills is a listing of solid waste facilities registered and tracked by the TCEQ Solid waste division. The facilities tracked include solid waste disposal sites as well as transfer stations and processing stations.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**2****Database:** TXLF**Site:** HAWLEY RECYCLING**Distance:** 0.046 W**Address** 16988 COUNTY ROAD 476 LINDALE, TX 75771-5637**Zip Code** 75771**City:** SMITH

Site ID: 100045 - Permit app. received date: 11/10/2004. Facility type: RESOURCE RECOVERY/RECYCLING FACILITY. Site status: ACTIVE, Permit status: ISSUED, Business type: INDIVIDUAL, Permitted acreage: N/A, Population served: Unknown, Area served: LINDALE CITY. Tons per day: N/A, Yards per day: N/A, Estimated closing date: Unknown. App. name, address, phone number: OWNOPR: Hawley Recycling, OWNOPR: PO BOX 1121 LINDALE, TX 757711121, OWNOPR: (903) 882 - 4839.

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**3****Database:** TXLF**\*Not mapped\*****Site:** HIDE-A-WAY LAKE LANDFILL**Distance:** Site Location Unknown**Address** 2.5 MILES W OF JUNCTION OF US HIGHWAY 69 AND FM 16 ADJACENT TO S SIDE OF F**Zip Code****City:** SMITH

Site ID: 1154 - Permit app. received date: 10/5/1977. Facility type: SANITARY LANDFILL FOR BRUSH AND/OR CONSTRUCTION-DEMOLITION MATERIAL, MONTHLY COVER REQUIRED. Site status: CLOSED, Permit status: REVOKED, Business type: 03, Permitted acreage: 5, Population served: 400, Area served: HIDE A WAY LAKE. Tons per day: 1, Yards per day: Unknown, Estimated closing date: 10/1/1982. App. name, address, phone number: OWNOPR: Hide-A-Way Lake Club, Inc., OWNOPR: RR 4 BOX 743 LINDALE, TX 757719804, OWNOPR: (214) 882 - 6151.

**4**

**Database:** TXLF **\*Not mapped\***  
**Site:** CITY OF LINDALE LANDFILL  
**Distance:** Site Location Unknown  
**Address** 3.5 MILES W OF LINDALE ON FM 16 LINDALE, TX  
**Zip Code**  
**City:** SMITH

Site ID: 529 - Permit app. received date: 3/24/1975. Facility type: SANITARY LANDFILL, DAILY COVER REQUIRED (POPULATION EQUIVALENT SERVED EXCEEDS 5,000 PEOPLE). Site status: CLOSED, Permit status: REVOKED, Business type: CITY, Permitted acreage: 28.262, Population served: 2000, Area served: LINDALE HIDEAWAYLK. Tons per day: 20, Yards per day: Unknown, Estimated closing date: 3/1/1978. App. name, address, phone number: OWNOPR: City of Lindale, OWNOPR: PO BOX 130 LINDALE, TX 757710130, OWNOPR: (214) 882 - 3422.

## LFUN

### Unauthorized and Unpermitted Landfill Sites

Unauthorized sites have no permit and are considered abandoned. All information about these sites was compiled by Southwest Texas State University under contract with TCEQ and is based on a search of publicly available records.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** LFUN  
**Site:** No findings within 1/2 mile.  
**Distance:** 0  
**Address**  
**Zip Code**  
**City:**

---

**TXLUST****Leaking Underground Storage Tanks**

State lists of leaking underground storage tank sites. Section 9003(h) of Subtitle I of RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require owners and operators to do so.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXLUST

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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**TXUST****Texas Underground Storage Tanks**

Underground Storage Tanks - Permitted underground storage tanks tracked and maintained by the Texas Commission on Environmental Quality (TCEQ).

*Source: Texas Commission on Environmental Quality (TCEQ)*

**1**

**Database:** TXUST

**Site:** MEA NURSERY

**Distance:** 0.077 SE

**Address** N HWY 69

**Zip Code** 75771

**City:** LINDALE

Facility ID number 0049341, TCEQ unit ID number 00128109, tank ID number 1, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0006000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0006000 gal The tank construction is of steel. The owner of the facility is MEA NURSERY, the telephone number listed for the owner is 9038823164.

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Facility ID number 0049341, TCEQ unit ID number 00128110, tank ID number 2, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0002000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0002000 gal The tank construction is of steel. The owner of the facility is MEA NURSERY, the telephone number listed for the owner is 9038823164.

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Facility ID number 0049341, TCEQ unit ID number 00128111, tank ID number 3, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0006000 Tank is currently removed from ground. Tank compartments: Compartment A: Diesel. Capacity 0006000 gal The tank construction is of steel. The owner of the facility is MEA NURSERY, the telephone number listed for the owner is 9038823164.

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## **TXAST**

### Texas Above Ground Storage Tanks

Aboveground Storage Tanks - Permitted aboveground storage tanks tracked and maintained by the Texas Commission on Environmental Quality (TCEQ).

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXAST

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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## **TXSPILL**

### Texas Spills List

Texas Commission on Environmental Quality (TCEQ) tracks cases where emergency response is needed for cleanup of toxic substances.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXSPILL

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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## **BRNFD**

### Brownfield

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Institutional/Engineering Controls searched.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** BRNFD

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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## **DRYC**

### Dry Cleaner

House Bill 1366 requires all dry cleaning drop stations and facilities in Texas to register with Texas Commission on Environmental Quality (TCEQ) and implement new performance standards at their facilities as appropriate. It also requires distributors of dry cleaning solvents to collect fees on the sale of dry cleaning solvents at certain facilities.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** DRYC

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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## **IRUST**

### Indian Reservation Underground Storage Tanks

All Appropriate Inquiries (AAI) rule has requested that Underground Storage Tanks on Indian Land be included in any ESA that is affected. Permitted Underground Storage Tanks on Indian Land are tracked and maintained by the EPA.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** IRUST

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

# TelALL Zip Index

The following zip codes, are the zip codes that TelALL used for generating the preceding report. The information is provided to help our customers make the most thorough data evaluation possible. Lat/Lon. info is provided to assist in locating sites. Lat/Lon info that is listed as "0" indicates that the site has not been geocoded. This does not indicate that the site is an orphan or was not evaluated by TelALL's research personnel.



Database count for 75704							
	ERNS	4	RCRA-G	2	TXAST	12	
	TXLUST	4	TXSPILL	4	TXUST	43	
FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
75704	ERNS	COUNTRY PLACE MOBILE HOME	15537 HWY 64 WEST	TYLER	32.365049	-95.426696	
		MJ CRUISERS	11930 COUNTY ROAD 4163	TYLER	32.387288	-95.364626	
			11930 COUNTY ROAD 4163	TYLER	32.387288	-95.364626	
			11930 COUNTY ROAD 4163	TYLER	32.387288	-95.364626	
	RCRA-G	TRANSPORTATION SECURITY AD	700 SKYWAY BLVD SUITE 102	TYLER	0	0	
		WAL-MART STORES TEXAS LLC	3820 HIGHWAY 64 W	TYLER	32.341738	-95.358726	
	TXAST	BECKAT OIL & FUEL LP	12426 HIGHWAY 64 W	TYLER	32.358795	-95.3729221	
			12426 HIGHWAY 64 W	TYLER	32.358795	-95.3729221	
			12426 HIGHWAY 64 W	TYLER	32.358795	-95.3729221	
			12426 HIGHWAY 64 W	TYLER	32.358795	-95.3729221	
		BENETTE FREIGHT	12126 HIGHWAY 64 W	TYLER	32.358311	-95.3670841	
		JET CENTER OF TYLER	209 AIRPORT DR	TYLER	32.360654	-95.396357	
			209 AIRPORT DR	TYLER	32.360654	-95.396357	
		LONGVIEW BRIDGE & ROAD 0616	233 AIRPORT DR	TYLER	32.361388	-95.3961852	
		TYLER AERO	1320 CR 1143	TYLER	32.358233	-95.390837	
			1320 CR 1143	TYLER	32.358233	-95.390837	
			1320 CR 1143	TYLER	32.358233	-95.390837	
			1320 CR 1143	TYLER	32.358233	-95.390837	
		TXLUST	DARR EQUIPMENT CO	W HWY 31	TYLER	32.350495	-95.312711
			FOOD FAST 57	11812 W HWY 64	TYLER	32.357691	-95.362243
			STOP N SHOP	W HWY 64	TYLER	32.350481	-95.319384
			TYLER AERO	W POUNDS FIELD HWY 64	TYLER	32.350481	-95.319384
	TXSPILL	Bob Jefreys	Kirby Station Located on HWY 64 West	Tyler			
			Kirby Station Located on HWY 64 West	Tyler			
		CITY OF TYLER	located at 14939 County Road 46, appr	TYLER	0	0	
	TXUST	EXECUTIVE AVIATION	FUEL DEPOT, TYLER POUNDS FIELD	TYLER			
		CLARENCE YOUNG PROPERTY	301 E FRONT ST	TYLER	32.346475	-95.2981473	
			301 E FRONT ST	TYLER	32.346475	-95.2981473	
			301 E FRONT ST	TYLER	32.346475	-95.2981473	
			301 E FRONT ST	TYLER	32.346475	-95.2981473	
		DIXIE VOL FIRE DEPT	DIXIE DR S OF HWY 64 W	TYLER	32.398602	-95.4149003	
		FOOD FAST 54	6424 S BROADWAY AVE	TYLER	32.279301	-95.305679	
			6424 S BROADWAY AVE	TYLER	32.279301	-95.305679	
			6424 S BROADWAY AVE	TYLER	32.279301	-95.305679	
		FOOD FAST 57	11812 STATE HIGHWAY 64 W	TYLER	32.358428	-95.362026	
			11812 STATE HIGHWAY 64 W	TYLER	32.358428	-95.362026	
			11812 STATE HIGHWAY 64 W	TYLER	32.358428	-95.362026	
		HOLLAND AIRCRAFT ENGINE SER	General Delivery	TYLER	32.398602	-95.4149003	
		HTC RANCH	General Delivery	TYLER	32.398602	-95.4149003	
		JOHNNY MILLER STATION	HWY 64 W	TYLER	32.363036	-95.420204	
			HWY 64 W	TYLER	32.363036	-95.420204	
			HWY 64 W	TYLER	32.363036	-95.420204	
			HWY 64 W	TYLER	32.363036	-95.420204	
		JOHNSON AVIATION	353 AIRPORT RD	TYLER	32.362525	-95.4027129	
			353 AIRPORT RD	TYLER	32.362525	-95.4027129	

**Database count for 75704**

ERNS	4	RCRA-G	2	TXAST	12
TXLUST	4	TXSPILL	4	TXUST	43

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75704</b>	<i>TXUST</i>	KIDD JONES 8	11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
			11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
			11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
			11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
		MEWBOURNE AVIATION DEPART	704 CR 1143	TYLER	32.360303	-95.3909773
			704 CR 1143	TYLER	32.360303	-95.3909773
		MINUTE STOP 1	11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
		NATIONAL CAR RENTAL STOP N SHOP	150 AIRPORT DR	TYLER	32.360089	-95.3989967
			General Delivery	TYLER	32.398602	-95.4149003
			General Delivery	TYLER	32.398602	-95.4149003
			HWY 64 W	TYLER	32.363036	-95.420204
			HWY 64 W	TYLER	32.363036	-95.420204
		TYLER TURBINE SALES	1862 CR 1143	TYLER	32.356400	-95.3908186
			1862 CR 1143	TYLER	32.356400	-95.3908186
		TYLER TYR ATCT	POUNDS FIELD	TYLER	32.353889	-95.402222
		USA FOODS	General Delivery	TYLER	32.398602	-95.4149003
			General Delivery	TYLER	32.398602	-95.4149003
			General Delivery	TYLER	32.398602	-95.4149003



**Database count for 75706**

CERCLIS	1	CORRACT	1	ERNS	1
RCRA TSD	2	RCRA-G	4	TXAST	20
TXLUST	2	TXSPILL	12	TXUST	76

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75706</b>	CERCLIS	FM 14 DRUM SITE	4942 FM 14	TYLER	32.3911	-95.2853
	CORRACT	TYLER PIPE COMPANY A DIVISIO	11721 US HIGHWAY 69 N	TYLER	32.418594	-95.354949
	ERNS	TYLER PIPE COMPANY	SEE BELOW ADDRESS11721 US HIG	TYLER	0	0
	RCRA TSD	TYLER PIPE COMPANY A DIVISIO	11721 US HIGHWAY 69 N	TYLER	32.463061	-95.3864925
			11721 US HIGHWAY 69 N	TYLER	32.463061	-95.3864925
	RCRA-G	EAGLE CONSTRUCTION AND ENV	9547 US HIGHWAY 69 N	TYLER	32.463061	-95.3864925
		TARGET REGIONAL DISTRIBUTIO	13786 HARVEY ROAD	TYLER	32.465929	-95.4182968
		TYLER PIPE COMPANY A DIVISIO	11721 US HIGHWAY 69 N	TYLER	32.463061	-95.3864925
			11721 US HIGHWAY 69 N	TYLER	32.463061	-95.3864925
	TXAST	FWA TRANSPORTATION	HWY 69 N	TYLER	32.466513	-95.387689
		JOHN SOULES FOODS	10150 FM 14	TYLER	32.410384	-95.276204
			10150 FM 14	TYLER	32.410384	-95.276204
		OIL TRANSPORT	419 E NORTHEAST LOOP 323	TYLER	32.388318	-95.28281
		PUMPCO	11126 CR 490	TYLER	32.410771	-95.3491731
		STATES ENVIRONMENTAL OIL SE	CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
		STRIPING TECHNOLOGY	10112 CR 489	TYLER	32.411991	-95.3424519
		TRANSIT N PLANT 2069	9041 HIGHWAY 69 N	TYLER	32.404027	-95.348741
		TYLER ASPHALT	CR 489	TYLER	32.414456	-95.34252
		TYLER STATE PARK	General Delivery	TYLER	32.447338	-95.3311652
		WILSON-RILEY	9149 HWY 69 N	TYLER	32.466513	-95.387689
			9149 HWY 69 N	TYLER	32.466513	-95.387689
			9149 HWY 69 N	TYLER	32.466513	-95.387689
	TXLUST	JOHNNYS GARAGE CLOSED	110 N CLAYTON	TYLER	32.351186	-95.284367
		NU WAY OIL STORE 11135	11135 HWY 69	TYLER	32.428764	-95.363527
	TXSPILL	BAKER HUGHES ATLAS	FM 95, 1/8 MI SOUTH OF THE INTERS	Tyler		
			FM 95, 1/8 MI SOUTH OF THE INTERS	Tyler		
		EFB TRUCKING CO.	HWY 69 N.	TYLER		
		ELDORADO CHEMICAL	I-20 AT MILE MARKER 517 ALONG TH	Tyler	32.453475	-95.285985
			I-20 AT MILE MARKER 517 ALONG TH	TYLER	32.453475	-95.285985
		GENERIC INCIDENT PRINCIPAL	GENERIC INCIDENT ZIP CODE 75706	TYLER	0	0
		LETOURNEAU, INC	ON LETOURNEAU PLANT W OF HIG	LONGVIEW		
		MCWANE INC	11721 US HIGHWAY 69 N TYLER TX	TYLER	0	0
		STOVALL FERTILIZER	INTERSECTION FM 279 @ FM 2010,	Tyler	32.3671	-95.4377
			INTERSECTION FM 279 @ FM 2010,	Tyler	32.3671	-95.4377
		UDS / Total Petroleum	3512 S Main St # 69	Tyler	32.4421	-95.3668
			3512 S Main St # 69	Tyler	32.4421	-95.3668
	TXUST	BP BARNES	General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
		CO-OPERATIVE ROSE GROWERS	US HWY 69 NORTH ROUTE	TYLER	32.463199	-95.3833499
			US HWY 69 NORTH ROUTE	TYLER	32.463199	-95.3833499
			US HWY 69 NORTH ROUTE	TYLER	32.463199	-95.3833499
		DAVIS COFFEE	General Delivery	TYLER	32.447338	-95.3311652

**Database count for 75706**

CERCLIS	1	CORRACT	1	ERNS	1
RCRA TSD	2	RCRA-G	4	TXAST	20
TXLUST	2	TXSPILL	12	TXUST	76

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75706</b>	<i>TXUST</i>	DAY & NIGHT 82	13341 I 20 W	TYLER	32.469976	-95.358621
			13341 I 20 W	TYLER	32.469976	-95.358621
			13341 I 20 W	TYLER	32.469976	-95.358621
			13341 I 20 W	TYLER	32.469976	-95.358621
		FRANK HOLEY NURSERY	12999 CR 433	TYLER	32.455716	-95.4208062
		FWA TRANSPORTATION	HWY 69 N	TYLER	32.466513	-95.387689
			HWY 69 N	TYLER	32.466513	-95.387689
		JIM HOGG ROAD TEXACO	12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
		JOE EDDIE HITT	390 CR 313 W	TYLER	32.488340	-95.2824578
			390 CR 313 W	TYLER	32.488340	-95.2824578
		JOHN SOULES FOODS	10150 FM 14	TYLER	32.410384	-95.276204
		KIDD JONES 10	13411 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			13411 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			13411 INTERSTATE 20 W	TYLER	32.469976	-95.358621
		KING MART 2	8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
			8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
			8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
			8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
		LOFT BAR B Q	I 20 & HWY 14	TYLER	31.311986	-96.6303878
			I 20 & HWY 14	TYLER	31.311986	-96.6303878
		PAYLESS GAS 620	1201 SPEIGHT	WACO	31.539819	-97.125406
			1201 SPEIGHT	WACO	31.539819	-97.125406
		PILOT TRAVEL CENTER 486	12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
		RABIAS MART	11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
		ROBERT C JACKSON	12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
		SAND FLANT UNIT	FM 14 10MI S OF TYLER	TYLER	32.447338	-95.3311652
		SEXTON ROSES	10076 US HIGHWAY 69 N	TYLER	32.410839	-95.346997
		STATE PARK GROCERY	14910 FM 14	TYLER	32.481922	-95.279267
			14910 FM 14	TYLER	32.481922	-95.279267
			14910 FM 14	TYLER	32.481922	-95.279267
		TYLER FUEL PLAZA	3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236

**Database count for 75706**

CERCLIS	1	CORRACT	1	ERNS	1
RCRA TSD	2	RCRA-G	4	TXAST	20
TXLUST	2	TXSPILL	12	TXUST	76

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75706</b>	<i>TXUST</i>	TYLER FUEL PLAZA	3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
		TYLER STATE PARK	General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
		UNITED FUEL & ENGERGY SFS Y	10449 HWY 69 N	TYLER	32.466513	-95.387689
			10449 HWY 69 N	TYLER	32.466513	-95.387689
		UNITY 6	General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
		WILSON-RILEY	General Delivery	TYLER	32.447338	-95.3311652
		YELLOW TRANSPORTATION	3722 N NORTHEAST LOOP 323	TYLER	32.385972	-95.268706

**Database count for 75771**

DRYC	3	RCRA-G	2	TXAST	8
TXLF	1	TXLUST	16	TXSPILL	8
TXUST	94				

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
75771	DRYC	LINDALE CLEANERS	1406 S MAIN ST	LINDALE	32.502648	-95.406198
			FM 849 @ I 20	LINDALE	32.516287	-95.4004723
	RCRA-G	VIP CLEANERS - LINDALE	903A S MAIN ST	LINDALE	32.507728	-95.4081199
		HAWLEY SANITATION	16988 COUNTY ROAD 476	LINDALE	32.514803	-95.445846
		WAL-MART STORES TEXAS LLC	105 CENTENNIAL BLVD	LINDALE	32.475626	-95.389503
	TXAST	LOWES OF LINDALE TX 1965	3200 S MAIN ST	LINDALE	32.474752	-95.3911366
		R OASIS	14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
		SMITH CO PRECINCT FOUR	CR 4112	LINDALE	32.529091	-95.4091575
		TRANSPORTATION GARAGE	605 BRAD CIR	LINDALE	32.506138	-95.4055929
			605 BRAD CIR	LINDALE	32.506138	-95.4055929
	TXLF	HAWLEY RECYCLING	16988 COUNTY ROAD 476 LINDALE,	SMITH	32.51611	-95.44583
	TXLUST	ABANDONED STATION GILLIS FA	CR 445 GARDEN VALLEY COMMUNI	GARDEN VALL	32.5372	-95.5274
		ALLEN CANNING CO	200 NORTH ST	LINDALE	32.517312	-95.411261
		BILL PARROTT	COOPER ST @ HWY 69	LINDALE	32.510194	-95.40927
		CHEVRON CORNER MARKET	147 I H 20	LINDALE	32.46875	-95.447543
		CITY OF LINDALE	201 N MAIN	LINDALE	32.5129	-95.4341
		HIDE A WAY LAKE CLUB MARINA	HIDE A WAY LN W	LINDALE	32.4841	-95.4638
		KIDD JONES LINDALE	303 S MAIN ST	LINDALE	32.5129	-95.4341
		LOVES COUNTRY STORE 225	I 20 @ HWY 110	LINDALE	32.46875	-95.447543
		M & M TRUCK STOP	310 N MAIN ST	LINDALE	32.517701	-95.409966
		NUWAY FFP 247	907 S MAIN	LINDALE	32.5129	-95.4341
		RITE TRACK 9	18562 FM 14	LINDALE	32.532	-95.2711
		ROAD RUNNER 109	IH 20 @ HWY 69 N	TYLER	32.453475	-95.285985
		RUNNING W TRUCK STOP	24782 W IH 20	LINDALE	32.499716	-95.584357
		SMITH COUNTY ROAD DEPT LIND	COUNTY RD 4112	LINDALE	32.533	-95.4084
		TEXACO SERVICE STATION	IH 20 @ HWY 69	LINDALE	32.46875	-95.447543
		TOTAL STORE 4539	3512 S MAIN ST	LINDALE	32.469373	-95.387801
	TXSPILL	ALLEN CANNING CO.	PLATFORM SCALE AREA, LINDALE P	LINDALE		
		DORA BRYANT	COUNTY RD. 433, 0.5 MI S OF FM 849	LINDALE	32.493992	-95.421729
		GATEWAY FENCE CO.	18552 HWY 69 N, LINDALE, TX 75771	LINDALE		
			18552 HWY 69 N. LINDALE	LINDALE		
	TXUST	MEGA GULF COAST LINES INC	GENERIC INCIDENT ZIP CODE 75771	LINDALE	0	0
		Quality Liquid Feeds	Corner of Houston & Jackson Streets, S Lindale			
			Corner of Houston & Jackson Streets, S Lindale			
		TEXAS DEPARTMENT OF TRANSP	GENERIC INCIDENT ZIP CODE 75771	LINDALE	0	0
		882 CO LINDALE SWAN	HWY 69	LINDALE	32.509009	-95.408851
		ABANDONED STATION	CR 445	GARDEN VALL	32.544846	-95.5251648
		ALLEN CANNING COMPANY	200 W NORTH ST	LINDALE	32.517351	-95.4112136
			200 W NORTH ST	LINDALE	32.517351	-95.4112136
		ARMADILLO COUNTRY STORE 17	24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
		BOBBY L WELLS	RT 3	LINDALE	30.867659	-94.6943444
		BORAL HENDERSON CLAY PROD	General Delivery	LINDALE	32.515697	-95.4093998
			General Delivery	LINDALE	32.515697	-95.4093998
		BROOKSHIRE GROCERY 3	521 S MAIN ST	LINDALE	32.509666	-95.408515



**Database count for 75771**

DRYC	3	RCRA-G	2	TXAST	8
TXLF	1	TXLUST	16	TXSPILL	8
TXUST	94				

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75771</b>	<i>TXUST</i>	CITY OF LINDALE	201 N MAIN ST	LINDALE	32.517128	-95.4099647
			201 N MAIN ST	LINDALE	32.517128	-95.4099647
			201 N MAIN ST	LINDALE	32.517128	-95.4099647
		CREWS N BUY MART	907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
		GARDEN VALLEY GOLF CLUB	22049 FM 1995	LINDALE	32.483715	-95.53998
			22049 FM 1995	LINDALE	32.483715	-95.53998
		GOLF COURSE MAINT BARN	SERVICE TO IH 20 RD	LINDALE	32.515697	-95.4093998
			SERVICE TO IH 20 RD	LINDALE	32.515697	-95.4093998
		HIDE-A-WAY CLUB MARINA	1259 HIDEAWAY LN W	HIDEAWAY	32.49923	-95.453897
		KEN WILLIAMS EXXON	206 S MAIN HWY 69	LINDALE	32.515697	-95.4093998
			206 S MAIN HWY 69	LINDALE	32.515697	-95.4093998
			206 S MAIN HWY 69	LINDALE	32.515697	-95.4093998
		KIDD JONES LINDALE	303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
		LAST DAYS EVANGELICAL ASSO LINDALE PLANT	General Delivery	LINDALE	32.515697	-95.4093998
			HWY 69	LINDALE	32.509009	-95.408851
			HWY 69	LINDALE	32.509009	-95.408851
		LINDALE STATE BANK	107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
		LINDALE TXD980598999	2 5 MI NE OF LINDALE	LINDALE	32.515697	-95.4093998
		LOVES COUNTRY STORE 225	I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
		M & M TRUCK STOP	310 N MAIN	LINDALE	32.51822	-95.410571
			310 N MAIN	LINDALE	32.51822	-95.410571
			310 N MAIN	LINDALE	32.51822	-95.410571
		MAINTENANCE GARAGE	BOYD ST	LINDALE	32.510078	-95.4126511
		MEA NURSERY	N HWY 69	LINDALE	32.541852	-95.419957
			N HWY 69	LINDALE	32.541852	-95.419957
			N HWY 69	LINDALE	32.541852	-95.419957
		MURPHY USA 7255	2318 S MAIN ST	LINDALE	32.484913	-95.3968308

**Database count for 75771**

DRYC	3	RCRA-G	2	TXAST	8
TXLF	1	TXLUST	16	TXSPILL	8
TXUST	94				

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75771</b>	<i>TXUST</i>	MURPHY USA 7255	2318 S MAIN ST	LINDALE	32.484913	-95.3968308
		POPS FUEL STOP	802 N MAIN	LINDALE	32.523784	-95.411955
			802 N MAIN	LINDALE	32.523784	-95.411955
			802 N MAIN	LINDALE	32.523784	-95.411955
		QUIX 493 COUNTRY STORE	17080 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			17080 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			17080 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
		R OASIS	14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
		R TIGER EXPRESS	21126 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			21126 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			21126 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
		RACETRAC 406	3318 S MAIN ST	LINDALE	32.471523	-95.388882
			3318 S MAIN ST	LINDALE	32.471523	-95.388882
			3318 S MAIN ST	LINDALE	32.471523	-95.388882
		RITE TRACK 9	18562 FM 14	LINDALE	32.535563	-95.270554
			18562 FM 14	LINDALE	32.535563	-95.270554
		SMITH CO PRECINCT FOUR	CR 4112	LINDALE	32.529091	-95.4091575
			CR 4112	LINDALE	32.529091	-95.4091575
		STUCKEYS	I 20 & HWY 110	LINDALE	32.515697	-95.4093998
			I 20 & HWY 110	LINDALE	32.515697	-95.4093998
			I 20 & HWY 110	LINDALE	32.515697	-95.4093998
		TRANSPORTATION GARAGE	605 BRAD CIR	LINDALE	32.506138	-95.4055929
		TWIN OAKS RANCH	W HWY 16	LINDALE	32.515697	-95.4093998
		VACANT	HWY 69 & COOPER	LINDALE	32.510226	-95.4085983
			HWY 69 & COOPER	LINDALE	32.510226	-95.4085983
			HWY 69 & COOPER	LINDALE	32.510226	-95.4085983
		VACANT STORE	910 S MAIN ST	LINDALE	32.507684	-95.4081115
			910 S MAIN ST	LINDALE	32.507684	-95.4081115
		WAL-MART SUPERCENTER 3764	105 CENTENNIAL BLVD	LINDALE	32.475626	-95.389503



# Environmental Data Search

for the site

**Lindale Reliever Route  
US 69 / Loop 49, Lindale, TX**

**99121B**

performed for

**Hicks & Company**

4/8/2013

HICY6698

**[www.TelALL.net](http://www.TelALL.net)**

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(800) 583-0004 by fax (888) 756-7647

## Preface

This document of environmental concerns near US 69 / Loop 49, Lindale, TX reports findings of the TelALL data search, prepared on the request of Hicks & Company.

TelALL Corporation (TelALL) has designed this document to comply with the AAI and ASTM standard E 1527 - 05 (Accuracy and Completeness) and has used all available resources, but makes no claim to the entirety or accuracy of the cited government, state, or tribal records. Our databases are updated at least every 90 days or as soon as possible after publication by the referenced agencies. The following fields of governmental, state, and tribal databases may not represent all known, unknown, or potential sources of contamination to the referenced site. Many different variables effect the outcome of the following document. TelALL maintains extremely high standards, and stringent procedures that are used to search the referenced data. However, TelALL reserves the right at any time to amend any information related to this report. If there is a need for further information regarding this report, or for any customer support please call TelALL at 800 583-0004 for assistance.

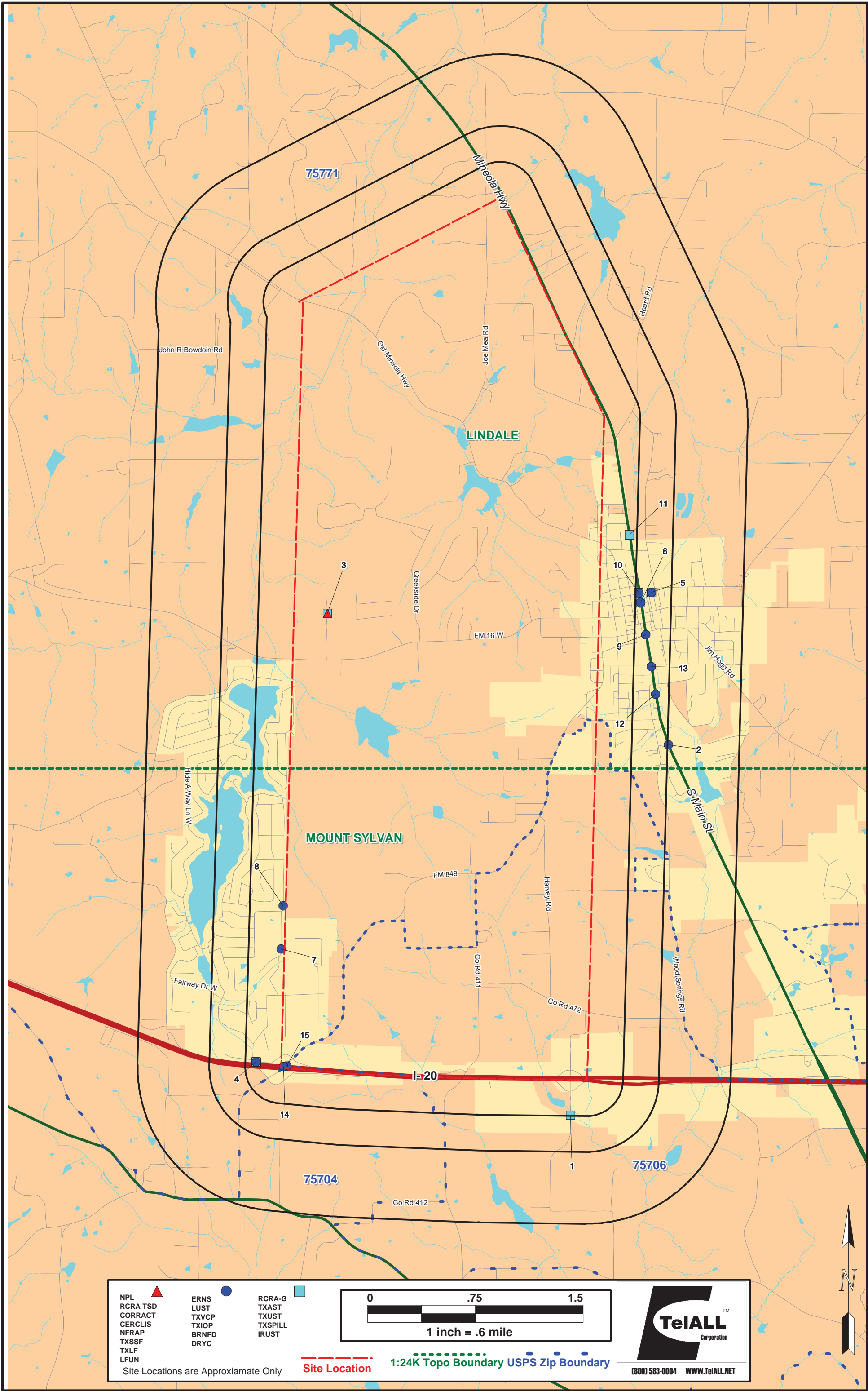
This report is divided into the following components:

<b>MAP</b>	Identified geocodeable findings relative to this data search.
<b>SUMMARY 1</b>	Sorting of the identified sites by distance from the subject site.
<b>FINAL</b>	A description of each database and a detailed explanation of findings.

## Sources

Database	Acronym	Last Updated	Minimum Search Distance	Findings
National Priority List	NPL	12/2012	1	0
Comprehensive Environmental Response, Compensation, and Liability Information System	CERCLIS	12/2012	0.5	0
No Further Remedial Action Planned	NFRAP	12/2012	0.5	0
Resource Conservation and Recovery Information System - Treatment Storage or Disposal	RCRA TSD	01/2013	1	0
Corrective Action	CORRACT	01/2013	1	0
Resource Conservation and Recovery Information System - Generators	RCRA-G	01/2013	0.25	3
Emergency Response Notification System	ERNS	02/2013	0.25	3
Texas Voluntary Cleanup Program	TXVCP	01/2013	0.5	0
Innocent Owner/Operator Program	TXIOP	01/2013	0.5	0
Texas State Superfund	TXSSF	02/2013	1	0
TCEQ Solid Waste Facilities	TXLF	12/2012	1	2
Unauthorized and Unpermitted Landfill Sites	LFUN	12/2012	0.5	1
Leaking Underground Storage Tanks	TXLUST	02/2013	0.5	8
Texas Underground Storage Tanks	TXUST	02/2013	0.25	20
Texas Above Ground Storage Tanks	TXAST	02/2013	0.25	0
Texas Spills List	TXSPILL	12/2012	0.25	1
Brownfield	BRNFD	01/2013	0.5	0
Dry Cleaner	DRYC	02/2013	0.5	2
Indian Reservation Underground Storage Tanks	IRUST	02/2013	0.25	0





**Sites Sorted By Distance from Center**

Distance/Direction	Database	Site Number	Address	City/State	Site Name
	IRUST				NO FINDINGS WITHIN 1/4 MILE.
	RCRA TSD				NO FINDINGS WITHIN ONE MILE.
	CORRACT				NO FINDINGS WITHIN ONE MILE.
	TXVCP				NO FINDINGS WITHIN 1/2 MILE.
	NFRAP				NO FINDINGS WITHIN 1/2 MILE.
	CERCLIS				NO FINDINGS WITHIN 1/2 MILE.
	NPL				NO FINDINGS WITHIN ONE MILE.
	BRNFD				NO FINDINGS WITHIN 1/2 MILE.
	TXSSF				NO FINDINGS WITHIN ONE MILE.
	TXAST				NO FINDINGS WITHIN 1/4 MILE.
	TXIOP				NO FINDINGS WITHIN 1/2 MILE.
	TXLF	3	16988 COUNTY ROAD 476 LINDALE	SMITH	HAWLEY RECYCLING
	RCRA-G	3	16988 COUNTY ROAD 476	LINDALE	HAWLEY SANITATION
	DRYC	14	FM 849 @ I 20	LINDALE	LINDALE CLEANERS
	ERNS	15	INTERSTATE 20 FARM MARKET RD FM 84	LYNDALL	GULF COAST TRANSPORT
<b>.01</b>					
	W ERNS	7	234 HIDEAWAY	LYNDALE	GIBALTAR
	W ERNS	8	302 HIDEAWAY LANE	LINDALE	ALL POINTS MOVING STORAGE
<b>.16</b>					
	W TXUST	4	17080 INTERSTATE 20 W	LINDALE	KIDD JONES HIDEAWAY
	W TXLUST	4	17080 I 20	LINDALE	QUIX 493 COUNTRY STORE
	W TXUST	4	17080 INTERSTATE 20 W	LINDALE	KIDD JONES HIDEAWAY
	W TXUST	4	17080 INTERSTATE 20 W	LINDALE	KIDD JONES HIDEAWAY
	W TXUST	4	17080 INTERSTATE 20 W	LINDALE	KIDD JONES HIDEAWAY
	W TXUST	4	17080 INTERSTATE 20 W	LINDALE	KIDD JONES HIDEAWAY
<b>.2</b>					
	E TXUST	11	802 N MAIN	LINDALE	POPS FUEL STOP
	E TXUST	11	802 N MAIN	LINDALE	POPS FUEL STOP
	E TXUST	11	802 N MAIN	LINDALE	POPS FUEL STOP
<b>.25</b>					
	S RCRA-G	1	13786 HARVEY ROAD	TYLER	TARGET REGIONAL DISTRIBUTION C
	S RCRA-G	1	13786 COUNTY ROAD 433	TYLER	TARGET CORP - DISTRIBUTION CENT
<b>.25</b>					
	E TXUST	6	201 N MAIN ST	LINDALE	CITY OF LINDALE
	E TXUST	6	201 N MAIN ST	LINDALE	CITY OF LINDALE
	E TXLUST	6	201 N MAIN	LINDALE	CITY OF LINDALE
	E TXUST	6	201 N MAIN ST	LINDALE	CITY OF LINDALE
	E TXLUST	10	310 N MAIN ST	LINDALE	M & M TRUCK STOP
	E TXUST	10	310 N MAIN	LINDALE	M & M TRUCK STOP
	E TXUST	10	310 N MAIN	LINDALE	M & M TRUCK STOP
	E TXUST	10	310 N MAIN	LINDALE	M & M TRUCK STOP
<b>.34</b>					
	E TXLUST	9	303 S MAIN ST	LINDALE	KIDD JONES LINDALE
<b>.36</b>					
	E TXUST	5	200 W NORTH ST	LINDALE	ALLEN CANNING COMPANY
	E TXLUST	5	200 NORTH ST	LINDALE	ALLEN CANNING CO
	E TXUST	5	200 W NORTH ST	LINDALE	ALLEN CANNING COMPANY

## Sites Sorted By Distance from Center

Distance/Direction	Database	Site Number	Address	City/State	Site Name
<b>.38</b>					
E	TXLUST	13	COOPER ST @ HWY 69	LINDALE	BILL PARROTT
<b>.4</b>					
E	TXLUST	12	907 S MAIN	LINDALE	NUWAY FFP 247
<b>.5</b>					
E	DRYC	2	1406 S MAIN ST	LINDALE	LINDALE CLEANERS
<b>Site Location Unknown</b>					
	TXLF	unknown	2.5 MILES W OF JUNCTION OF US HIGHW	SMITH	HIDE-A-WAY LAKE LANDFILL
	TXUST	unknown	BOYD ST	LINDALE	MAINTENANCE GARAGE
	TXLUST	unknown	COUNTY RD 4112	LINDALE	SMITH COUNTY ROAD DEPT LINDALE
	TXSPILL	unknown	COUNTY RD. 433, 0.5 MI S OF FM 849, LIN	LINDALE	DORA BRYANT
	TXUST	unknown	N HWY 69	LINDALE	MEA NURSERY
	TXUST	unknown	N HWY 69	LINDALE	MEA NURSERY
	TXUST	unknown	N HWY 69	LINDALE	MEA NURSERY
	LFUN	unknown	RT. 1, BOX 743-SMALL SECTION JOINING	SMITH	HIDE-A-WAY LAKE CLUB

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## **NPL**

### National Priority List

NPL is a priority subset of the CERCLIS list. (See CERCLIS, below) The Cerclis list was created by the Comprehensive Environmental Response, Compensation and Liability Acts (CERCLA) need to track contaminated sites. CERCLA was enacted on 12/11/80, and amended by the Superfund Amendments and Reauthorization Act of 1986. These acts established broad authority for the government to respond to problems posed by the release, or threat of release of hazardous substances, pollutants, or contaminants. CERCLA also imposed liability on those responsible for releases and provided the authority for the government to undertake enforcement and abatement action against responsible parties. Institutional/Engineering Controls searched. Delisted NPL sites are included.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** NPL

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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## **CERCLIS**

### Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS is the official repository for site and non-site specific Superfund data in support of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). It contains information on hazardous waste site assessment and remediation from 1983 to the present. CERCLIS information is used to report official Superfund accomplishments to Congress and the public, assist EPA Regional and Headquarters managers in evaluating the status and progress of site cleanup actions, track Superfund Comprehensive Accomplishments Plan (SCAP), and communicate planned activities and budgets. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** CERCLIS

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**



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## **NFRAP**

### **No Further Remedial Action Planned**

NFRAP Sites indicate a CERCLIS site that was designated "No further remedial action planned" by the EPA February 1995. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** NFRAP

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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## **RCRA TSD**

### **Resource Conservation and Recovery Information System - Treatment Storage or Disposal**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA TSD (Treatment Storage or Disposal) is a subset of the RCRIS list. RCRA TSD tracks facilities that fall under the Treatment Storage or Disposal classification.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** RCRA TSD

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

## **CORRACT**

### Corrective Action

CORRACT lists RCRIS (Resource Conservation and Recovery Information System) sites that are currently under corrective action. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** CORRACT

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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**RCRA-G****Resource Conservation and Recovery Information System - Generators**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste, are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA-G (Generators) list is a subset of the RCRIS list. RCRA-G tracks facilities that fall under the generators or transporters classification.

*CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS (CESQG) produce less than 100 kg per month of hazardous waste. SMALL QUANTITY GENERATORS (SQG) produce at least 100 kg per month but less than 1000 kg per month of hazardous waste. LARGE QUANTITY GENERATORS (LQG) produce at least 1000 kg per month of hazardous waste. Source: United States Environmental Protection Agency (EPA)*

**3****Database:** RCRA-G**Site:** HAWLEY SANITATION**Distance:** 0**Address** 16988 COUNTY ROAD 476**Zip Code** 75771**City:** LINDALE

EPA ID: TXR000078050 - Site type: Transporter Contact Information: JIMMY HAWLEY, PO BOX 1121 LINDALE, TX, 75771, Tel. 903-882-4839 OR NAIC (North American Industrial Classification) Code(s): 562112

**1****Database:** RCRA-G**Site:** TARGET CORP - DISTRIBUTION CENTER T0578**Distance:** 0.25 S**Address** 13786 COUNTY ROAD 433**Zip Code** 75706**City:** TYLER

EPA ID: TXR000080037 - Site type: Small Quantity Generator Contact Information: STEVE MUSSER, PO BOX 111 MINNEAPOLIS, MN, 55440, Tel. 800-5872228 NAIC (North American Industrial Classification) Code(s): 49311

EPA ID: TXR000061028 - Site type: Conditionally Exempt Small Quantity Generator Contact Information: MARK SCHWARZE, PO BOX 111 MINNEAPOLIS, 554400111, Tel. 62-696-4014 NAIC (North American Industrial Classification) Code(s): 452112

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**ERNS****Emergency Response Notification System**

ERNS supports the release notification requirements of section 103 of the Comprehensive Environmental Response Compensation, and Liability Act (CERCLA), as amended; section 311 of the Clean Water Act; and sections 300.51 and 300.65 of the National Oil and Hazardous Substances Contingency Plan. Additionally, ERNS serves as a mechanism to document and verify incident-location information as initially reported, and is utilized as a direct source of easily accessible data, needed for analyzing oil and hazardous substances spills.

*Source: National Response Center (NRC)*

**15****Database:** ERNS**Site:** GULF COAST TRANSPORT**Distance:** 0**Address** INTERSTATE 20 FARM MARKET RD FM 849**Zip Code****City:** LYNDALL

ERNS ID NUMBER 384541 ,ON 4/22/1994 0 UNK OF SODIUM HYDROXIDE, WAS REPORTED AS RELEASED. TRACTOR TRAILER/DRIVER LOST CONTROL, OVERTURNED/1 VEH ACCID. TRACTOR TRAILER/DRIVER LOST CONTROL,OVERTURNED/1 VEH ACCIDENT RESPONSE BY EMTEC/EVACUATED AREA WITHIN 1/2 MILE RADIUS/TRAFFIC ROUTED EASTBOUND CLOSED FOR 2 HOURS/WESTBOUND CLOSED UNTIL EVENING 50 YD RADIUS OF SOIL WAS REMOVED/ACCIDENT OCCURRED IN WESTBOUND LANE INJURY WAS TO DRIVER OF TRACTOR TRAILER/DRIVER WAS TREATED AND RELEASE

**7****Database:** ERNS**Site:** GIBRALTAR**Distance:** 0.01 W**Address** 234 HIDEAWAY**Zip Code****City:** LYNDALE

ERNS ID NUMBER 333483 ,ON 7/26/1993 0 UNK OF ROTTEN EGG SMELL, WAS REPORTED AS RELEASED. DEEP WELL INJECTION DEEP WELL INJECTION NONE



**8**

**Database:** ERNS  
**Site:** ALL POINTS MOVING STORAGE  
**Distance:** 0.01 W  
**Address** 302 HIDEAWAY LANE  
**Zip Code**  
**City:** LINDALE

ERNS ID NUMBER 172200 .ON 7/13/1990 50 GAL OF OIL: DIESEL, WAS REPORTED AS RELEASED. SEMI TRACTOR ACCIDENTALLY ROLLED INTO POND AND RUPTURED ITS FUEL LINE PRECISION INTERNATIONAL DID CLEANUPS

## **TXVCP**

### Texas Voluntary Cleanup Program

Created under HB 2296, The Voluntary Cleanup Program (VCP) was established on 09/01/95 to provide administrative, technical, and legal reasons to promote the cleanup of tainted sites in Texas. Since future lenders and landowners get protection from liability to the State of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate deals at those sites are removed. As a result, many unused or under used sites may be restored to economically productive or community beneficial uses. After cleanup, the parties get a certificate of completion from the TCEQ which states that all lenders and future land owners who are not PRP's are free from all liability to the State. Institutional/Engineering Controls searched.

*Parts of the above description were taken from the TCEQ/VCP Website (<http://www.TCEQ.state.tx.us/permitting/remed/vcp/>). The investigation phases are listed as INVESTIGATION, REMEDIATION, POST-CLOSURE, and COMPLETE. Contaminant Categories (PERC and BTEX). Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXVCP  
**Site:** No findings within 1/2 mile.  
**Distance:** 0  
**Address**  
**Zip Code**  
**City:**

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**TXIOP****Innocent Owner/Operator Program**

The TX IOP, created by House Bill 2776 of the 75th Leg, provides a cert. to an innocent owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not loc. on the prop., and they did not cause or contribute to the source or sources of contamination. Like the TxVCP Prog., the IOP can be used as a redevelopment tool or as a tool to add value to a contaminated prop. by providing an Innocent Owner/Operator Certificate (IOC). However, unlike the VCP release of liability, IOCs are not trans. to future owners/oper's. Future owners/oper's are eligible to enter the IOP and may rec. an IOC only after they become an owner or operator of the site.

*The above description were taken from the TCEQ/IOP Website  
(<http://www.TCEQ.state.tx.us/permitting/remed/vcp/iop.html>).  
Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXIOP

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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**TXSSF****Texas State Superfund**

The Texas State Superfund database is a list of sites that the State of Texas has identified for investigation or remediation. Texas State Superfund sites are reviewed for potential upgrading to Comprehensive Environmental Response, Compensation, and Liability Information System status by the federal Environmental Protection Agency. Institutional/Engineering Controls searched.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXSSF

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

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**TXLF****TCEQ Solid Waste Facilities**

Texas Commission on Environmental Quality (TCEQ) Requires municipalities and counties to report known active and inactive landfills. Texas Landfills is a listing of solid waste facilities registered and tracked by the TCEQ Solid waste division. The facilities tracked include solid waste disposal sites as well as transfer stations and processing stations.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**3****Database:** TXLF**Site:** HAWLEY RECYCLING**Distance:** 0**Address** 16988 COUNTY ROAD 476 LINDALE**Zip Code****City:** SMITH

Site ID: 100045 - Permit app. received date: 11/9/2004. Facility type: RESOURCE RECOVERY/RECYCLING FACILITY. Site status: ACTIVE, Permit status: ISSUED, Business type: INDIVIDUAL, Permitted acreage: N/A, Population served: Unknown, Area served: LINDALE CITY. Tons per day: N/A, Yards per day: N/A, Estimated closing date: Unknown. App. name, address, phone number: CN602830739, Hawley Recycling, PO BOX 1121 LINDALE, TX 75771-1121, (903) 882 - 4839.

---

**16****Database:** TXLF**\*Not mapped\*****Site:** HIDE-A-WAY LAKE LANDFILL**Distance:** Site Location Unknown**Address** 2.5 MILES W OF JUNCTION OF US HIGHWAY 69 AND FM 16 ADJACENT TO S SIDE OF FM**Zip Code****City:** SMITH

Site ID: 1154 - Permit app. received date: Unknown. Facility type: SANITARY LANDFILL FOR BRUSH AND/OR CONSTRUCTION-DEMOLITION MATERIAL, MONTHLY COVER REQUIRED. Site status: CLOSED, Permit status: REVOKED, Business type: 03, Permitted acreage: 5, Population served: 400, Area served: HIDE A WAY LAKE. Tons per day: 1, Yards per day: Unknown, Estimated closing date: 10/1/1982. App. name, address, phone number: Unknown, Unknown, N/A.

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## LFUN

### Unauthorized and Unpermitted Landfill Sites

Unauthorized sites have no permit and are considered abandoned. All information about these sites was compiled by Southwest Texas State University under contract with TCEQ and is based on a search of publicly available records.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**21**

**Database:** LFUN

**\*Not mapped\***

**Site:** Hide-A-Way Lake Club

**Distance:** Site Location Unknown

**Address** RT. 1, BOX 743-SMALL SECTION JOINING HWY 16 AT BACK OF  
PROPERTY

**Zip Code**

**City:** SMITH

Site ID: 617 - The Date of first use is unknownApproximate date of last use: 1975.  
Owners name: Hide-a-way Lake Club - PRP: Club. Site size is unknown. Contains  
Household waste. Inspection notes: 5/1/75-Evidence of burning observed ; Distance  
to nearest water course is adjacent; Area fill operation; closure confirmed in TDH  
memo dated 8/75. Possibly the same as permit no. 1154 according to COG reviewer



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**TXLUST****Leaking Underground Storage Tanks**

State lists of leaking underground storage tank sites. Section 9003(h) of Subtitle I of RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require owners and operators to do so.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**4** **Database:** TXLUST  
**Site:** QUIX 493 COUNTRY STORE  
**Distance:** 0.16 W  
**Address** 17080 I 20  
**Zip Code** 75771  
**City:** LINDALE

Leaking petroleum storage tank identification number (LPSTID) 118480. The subject tank release was reported on 2/3/2011 PRIORITY: 3.5 - A DESIGNATED MAJOR OR MINOR AQUIFER IS IMPACTS TO RECEPTORS. STATUS: 6P - FINAL CONCURRENCE PENDING DOCUMENTATION OF WELL PLUGGING. Facility ID # 0018945 PRP info: STRASBURGER ENTERPRISES INC, PO BOX 6117, TEMPLE TX 76503 Contact: GREG STRASBURGER Tel: 254/778-3547 Location description: 17080 I 20

---

**6** **Database:** TXLUST  
**Site:** CITY OF LINDALE  
**Distance:** 0.251 E  
**Address** 201 N MAIN  
**Zip Code** 75771  
**City:** LINDALE

Leaking petroleum storage tank identification number (LPSTID) 097105. The subject tank release was reported on 11/1/1990 PRIORITY: 4A - SOIL CONTAMINATION ONLY, REQUIRES FULL SITE ASSESSMENT & RAP. STATUS: 6A - FINAL CONCURRENCE ISSUED, CASE CLOSED. Facility ID # 0047934 PRP info: CITY OF LINDALE, PO BOX 130, LINDALE TX 75771 Contact: SCOTT EPPERSON Tel: 903/882-3422 Location description: 201 N MAIN

**10**

**Database:** TXLUST  
**Site:** M & M TRUCK STOP  
**Distance:** 0.251 E  
**Address** 310 N MAIN ST  
**Zip Code** 75771  
**City:** LINDALE

Leaking petroleum storage tank identification number (LPSTID) 102146. The subject tank release was reported on 4/17/1992 PRIORITY: 5 - MINOR SOIL CONTAMINATION-DOES NOT REQUIRE A RAP. STATUS: 6A - FINAL CONCURRENCE ISSUED, CASE CLOSED. Facility ID # 0062451 PRP info: BOYD B L, 619 BEAN ST, KILGORE TX 75662 Contact: B L BOYD Tel: 903/983-2659 Location description: 310 N MAIN ST N HWY 69 @ BRAZIL ST

**9**

**Database:** TXLUST  
**Site:** KIDD JONES LINDALE  
**Distance:** 0.339 E  
**Address** 303 S MAIN ST  
**Zip Code** 75771  
**City:** LINDALE

Leaking petroleum storage tank identification number (LPSTID) 116994. The subject tank release was reported on 10/3/2006 PRIORITY: 3.2 - IMPACTED GW W/IN 500FT-0.25MI TO SW USED BY HUMAN, ENDGR SPEC. STATUS: 2 - SITE ASSESSMENT. Facility ID # 0039220 PRP info: JERRY KIDD OIL CO, PO BOX 365, CHANDLER TX 75758 Contact: DAVID KIDD Tel: 903/849-6265 Location description: 303 S MAIN ST

**5**

**Database:** TXLUST  
**Site:** ALLEN CANNING CO  
**Distance:** 0.359 E  
**Address** 200 NORTH ST  
**Zip Code** 75771  
**City:** LINDALE

Leaking petroleum storage tank identification number (LPSTID) 096445. The subject tank release was reported on 8/14/1990 PRIORITY: 4A - SOIL CONTAMINATION ONLY, REQUIRES FULL SITE ASSESSMENT & RAP. STATUS: 6A - FINAL CONCURRENCE ISSUED, CASE CLOSED. Facility ID # is unknown. PRP info: ALLEN CANNING CO, PO BOX 250, SILOAM SPRINGS AR 72761 Contact: BOB RUSH Tel: 800/643-3646 Location description: 200 NORTH ST

**13**

**Database:** TXLUST  
**Site:** BILL PARROTT  
**Distance:** 0.377 E  
**Address** COOPER ST @ HWY 69  
**Zip Code** 75771  
**City:** LINDALE

Leaking petroleum storage tank identification number (LPSTID) 102406. The subject tank release was reported on 4/1/1992 PRIORITY: 2.5 - GW IMPACT, PUBLIC/DOMESTIC WATER SUPPLY WELL W/IN 0.25MI. STATUS: 6A - FINAL CONCURRENCE ISSUED, CASE CLOSED. Facility ID # 0062247 PRP info: PARROT BILL, PO BOX 457, LINDALE TX 75771 Contact: BILL PARROTT Tel: 903/882-9262 Location description: COOPER ST @ HWY 69

**12**

**Database:** TXLUST  
**Site:** NUWAY FFP 247  
**Distance:** 0.403 E  
**Address** 907 S MAIN  
**Zip Code** 75771  
**City:** LINDALE

Leaking petroleum storage tank identification number (LPSTID) 104367. The subject tank release was reported on 10/2/1992 PRIORITY: 2.5 - GW IMPACT, PUBLIC/DOMESTIC WATER SUPPLY WELL W/IN 0.25MI. STATUS: 6A - FINAL CONCURRENCE ISSUED, CASE CLOSED. Facility ID # 0018510 PRP info: FFP OPERATING PARTNERS, 2801 GLENDA AVE, FORT WORTH TX 76117 Contact: ROBERT BYRNES Tel: 817/838-4721 Location description: 907 SOUTH MAIN & HIGHWAY 69 S

**18**

**Database:** TXLUST **\*Not mapped\***  
**Site:** SMITH COUNTY ROAD DEPT LINDALE  
**Distance:** Site Location Unknown  
**Address** COUNTY RD 4112  
**Zip Code** 75771  
**City:** LINDALE

Leaking petroleum storage tank identification number (LPSTID) 098602. The subject tank release was reported on 4/15/1991 PRIORITY: 3.5 - A DESIGNATED MAJOR OR MINOR AQUIFER IS IMPACTS TO RECEPTORS. STATUS: 6A - FINAL CONCURRENCE ISSUED, CASE CLOSED. Facility ID # 0047363 PRP info: SMITH COUNTY FIRE MARSHAL, 106 E ELM ROOM 400, TYLER TX 75702 Contact: CHARLES E SHINE Tel: 903/535-0965 Location description: COUNTY RD 4112

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**TXUST****Texas Underground Storage Tanks**

Underground Storage Tanks - Permitted underground storage tanks tracked and maintained by the Texas Commission on Environmental Quality (TCEQ).

*Source: Texas Commission on Environmental Quality (TCEQ)*

**4****Database:** TXUST**Site:** KIDD JONES HIDEAWAY**Distance:** 0.16 W**Address** 17080 INTERSTATE 20 W**Zip Code** 75771**City:** LINDALE

Facility ID number 0018945, TCEQ unit ID number 00215802, tank ID number 4, date installed (MMDDYYYY) 09272011, total capacity in gallons: 0020000 Tank is currently in use. Tank compartments: Compartment A: Gasoline. Capacity 0020000 gal The tank construction is of composite - double wall. The owner of the facility is JERRY KIDD OIL COMPANY, the telephone number listed for the owner is 903-849-6265.

---

Facility ID number 0018945, TCEQ unit ID number 00215803, tank ID number 5, date installed (MMDDYYYY) 09272011, total capacity in gallons: 0015000 Tank is currently in use. Tank compartments: Compartment A: Gasoline. Capacity: 0006000 gal, Comp. B: Diesel. Capacity: 0009000 gal The tank construction is of composite - double wall. The owner of the facility is JERRY KIDD OIL COMPANY, the telephone number listed for the owner is 903-849-6265.

---

Facility ID number 0018945, TCEQ unit ID number 00049345, tank ID number 3, date installed (MMDDYYYY) 01011974, total capacity in gallons: 0008000 Tank is currently removed from ground. Tank compartments: Compartment A: New Oil. Capacity 0008000 gal The tank construction is of steel - single wall. The owner of the facility is JERRY KIDD OIL COMPANY, the telephone number listed for the owner is 903-849-6265.

---

Facility ID number 0018945, TCEQ unit ID number 00049346, tank ID number 2, date installed (MMDDYYYY) 01011974, total capacity in gallons: 0008000 Tank is currently removed from ground. Tank compartments: Compartment A: New Oil. Capacity 0008000 gal The tank construction is of steel - single wall. The owner of the facility is JERRY KIDD OIL COMPANY, the telephone number listed for the owner is 903-849-6265.

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Facility ID number 0018945, TCEQ unit ID number 00049344, tank ID number 1, date installed (MMDDYYYY) 01011974, total capacity in gallons: 0008000 Tank is currently removed from ground. Tank compartments: Compartment A: New Oil. Capacity 0008000 gal The tank construction is of steel - single wall. The owner of the facility is JERRY KIDD OIL COMPANY, the telephone number listed for the owner is 903-849-6265.

---



**11**

**Database:** TXUST  
**Site:** POPS FUEL STOP  
**Distance:** 0.198 E  
**Address** 802 N MAIN  
**Zip Code** 75771  
**City:** LINDALE

Facility ID number 0065878, TCEQ unit ID number 00171572, tank ID number 1, date installed (MMDDYYYY) 04011994, total capacity in gallons: 0008000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0008000 gal The tank construction is of composite - double wall. The owner of the facility is RONNIE KEELS, the telephone number listed for the owner is 903-882-9961.

Facility ID number 0065878, TCEQ unit ID number 00171574, tank ID number 3, date installed (MMDDYYYY) 04011994, total capacity in gallons: 0006000 Tank is currently removed from ground. Tank compartments: Compartment A: Diesel. Capacity 0006000 gal The tank construction is of fiberglass-reinforced plastic (FRP) - double wall. The owner of the facility is RONNIE KEELS, the telephone number listed for the owner is 903-882-9961.

Facility ID number 0065878, TCEQ unit ID number 00171573, tank ID number 2, date installed (MMDDYYYY) 04011994, total capacity in gallons: 0006000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0006000 gal The tank construction is of fiberglass-reinforced plastic (FRP) - double wall. The owner of the facility is RONNIE KEELS, the telephone number listed for the owner is 903-882-9961.

---

**6** **Database:** TXUST  
**Site:** CITY OF LINDALE  
**Distance:** 0.251 E  
**Address** 201 N MAIN ST  
**Zip Code** 75771-6419  
**City:** LINDALE

Facility ID number 0047934, TCEQ unit ID number 00124898, tank ID number 3, date installed (MMDDYYYY) 01011979, total capacity in gallons: 0000400 Tank is currently removed from ground. Tank compartments: Compartment A: New Oil. Capacity 0000400 gal The tank construction is of steel. The owner of the facility is CITY OF LINDALE, the telephone number listed for the owner is 903-820-3422.

---

Facility ID number 0047934, TCEQ unit ID number 00124897, tank ID number 2, date installed (MMDDYYYY) 01011969, total capacity in gallons: 0000500 Tank is currently removed from ground. Tank compartments: Compartment A: New Oil. Capacity 0000500 gal The tank construction is of steel. The owner of the facility is CITY OF LINDALE, the telephone number listed for the owner is 903-820-3422.

---

Facility ID number 0047934, TCEQ unit ID number 00124896, tank ID number 1, date installed (MMDDYYYY) 01011969, total capacity in gallons: 0001000 Tank is currently removed from ground. Tank compartments: Compartment A: New Oil. Capacity 0001000 gal The tank construction is of steel. The owner of the facility is CITY OF LINDALE, the telephone number listed for the owner is 903-820-3422.

---

**10** **Database:** TXUST  
**Site:** M & M TRUCK STOP  
**Distance:** 0.251 E  
**Address** 310 N MAIN  
**Zip Code** 75771  
**City:** LINDALE

Facility ID number 0062451, TCEQ unit ID number 00144847, tank ID number 2, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0003000 Tank is currently removed from ground. Tank compartments: Compartment A: New Oil. Capacity 0003000 gal The tank construction is of steel - single wall. The owner of the facility is BOYD B L, the telephone number listed for the owner is 9039832659.

---

Facility ID number 0062451, TCEQ unit ID number 00144846, tank ID number 3, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0000500 Tank is currently removed from ground. Tank compartments: Compartment A: New Oil. Capacity 0000500 gal The tank construction is of steel - single wall. The owner of the facility is BOYD B L, the telephone number listed for the owner is 9039832659.

---

Facility ID number 0062451, TCEQ unit ID number 00144848, tank ID number 1, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0001000 Tank is currently removed from ground. Tank compartments: Compartment A: New Oil. Capacity 0001000 gal The tank construction is of steel - single wall. The owner of the facility is BOYD B L, the telephone number listed for the owner is 9039832659.

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**5** **Database:** TXUST  
**Site:** ALLEN CANNING COMPANY  
**Distance:** 0.359 E  
**Address** 200 W NORTH ST  
**Zip Code** 75771  
**City:** LINDALE

Facility ID number 0054813, TCEQ unit ID number 00133856, tank ID number 2, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0000000 Tank is currently removed from ground. Tank compartments: Compartment A: Diesel. Capacity 0000000 gal The tank construction is of steel. The owner of the facility is ALLEN CANNING COMAPNY, the telephone number listed for the owner is 8003437794.

---

Facility ID number 0054813, TCEQ unit ID number 00133855, tank ID number 1, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0000000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0000000 gal The tank construction is of steel. The owner of the facility is ALLEN CANNING COMAPNY, the telephone number listed for the owner is 8003437794.

---

**17** **Database:** TXUST **\*Not mapped\***  
**Site:** MAINTENANCE GARAGE  
**Distance:** Site Location Unknown  
**Address** BOYD ST  
**Zip Code** 75771  
**City:** LINDALE

Facility ID number 0047563, TCEQ unit ID number 00124027, tank ID number 1, date installed (MMDDYYYY) 01011964, total capacity in gallons: 0001000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0001000 gal The tank construction is of steel. The owner of the facility is LINDALE ISD, the telephone number listed for the owner is 9038826157.

**20****Database:** TXUST **\*Not mapped\*****Site:** MEA NURSERY**Distance:** Site Location Unknown**Address** N HWY 69**Zip Code** 75771**City:** LINDALE

Facility ID number 0049341, TCEQ unit ID number 00128109, tank ID number 1, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0006000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0006000 gal The tank construction is of steel. The owner of the facility is MEA NURSERY, the telephone number listed for the owner is 9038823164.

Facility ID number 0049341, TCEQ unit ID number 00128110, tank ID number 2, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0002000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0002000 gal The tank construction is of steel. The owner of the facility is MEA NURSERY, the telephone number listed for the owner is 9038823164.

Facility ID number 0049341, TCEQ unit ID number 00128111, tank ID number 3, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0006000 Tank is currently removed from ground. Tank compartments: Compartment A: Diesel. Capacity 0006000 gal The tank construction is of steel. The owner of the facility is MEA NURSERY, the telephone number listed for the owner is 9038823164.

**TXAST****Texas Above Ground Storage Tanks**

Aboveground Storage Tanks - Permitted aboveground storage tanks tracked and maintained by the Texas Commission on Environmental Quality (TCEQ).

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXAST**Site:** No findings within 1/4 mile.**Distance:** 0**Address****Zip Code****City:**

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## TXSPILL

### Texas Spills List

Texas Commission on Environmental Quality (TCEQ) tracks cases where emergency response is needed for cleanup of toxic substances.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**19**

**Database:** TXSPILL **\*Not mapped\***

**Site:** DORA BRYANT

**Distance:** Site Location Unknown

**Address** COUNTY RD. 433, 0.5 MI S OF FM 849, LINDALE TX

**Zip Code** 75771

**City:** LINDALE

Date of Spill: 4/24/91 - Notification Date: 4/24/91. Material Spilled: TIRE FIRE.  
Amount of material spilled: UNK LBS. class of spill: Other Pollutant. The cleanup status is: inadequate . The type of media affected is not specified. The basin where the spill occurred: SABINE RIVER.

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## BRNFD

### Brownfield

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Institutional/Engineering Controls searched.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** BRNFD

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**



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**DRYC****Dry Cleaner**

House Bill 1366 requires all dry cleaning drop stations and facilities in Texas to register with Texas Commission on Environmental Quality (TCEQ) and implement new performance standards at their facilities as appropriate. It also requires distributors of dry cleaning solvents to collect fees on the sale of dry cleaning solvents at certain facilities.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**14****Database:** DRYC**Site:** LINDALE CLEANERS**Distance:** 0**Address** FM 849 @ I 20**Zip Code** 75771**City:** LINDALE

Regulated Entity ID: RN104002167. Customer ID: CN601639461. Owner:  
FINANCIAL EARNINGS GROUP INC. Dry Cleaner Type: DROP STATION  
REGISTRATION. Uses Perchloroethylene: Unknown.

---

**2****Database:** DRYC**Site:** LINDALE CLEANERS**Distance:** 0.5 E**Address** 1406 S MAIN ST**Zip Code** 75771**City:** LINDALE

Regulated Entity ID: RN105239297. Customer ID: CN601639461. Owner:  
FINANCIAL EARNINGS GROUP INC. Dry Cleaner Type: FACILITY  
REGISTRATION. Uses Perchloroethylene: Unknown.

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## **IRUST**

### **Indian Reservation Underground Storage Tanks**

All Appropriate Inquiries (AAI) rule has requested that Underground Storage Tanks on Indian Land be included in any ESA that is affected. Permitted Underground Storage Tanks on Indian Land are tracked and maintained by the EPA.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** IRUST

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

# TelALL Zip Index

The following zip codes, are the zip codes that TelALL used for generating the preceding report. The information is provided to help our customers make the most thorough data evaluation possible. Lat/Lon. info is provided to assist in locating sites. Lat/Lon info that is listed as "0" indicates that the site has not been geocoded. This does not indicate that the site is an orphan or was not evaluated by TelALL's research personnel.



Database count for 75704						
ERNS	4	RCRA-G	2	TXAST	20	
TXLUST	5	TXSPILL	4	TXUST	43	
FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
75704	ERNS	COUNTRY PLACE MOBILE HOME	15537 HWY 64 WEST	TYLER	32.365049	-95.426696
		MJ CRUISERS	11930 COUNTY ROAD 4163	TYLER	32.387288	-95.364626
			11930 COUNTY ROAD 4163	TYLER	32.387288	-95.364626
			11930 COUNTY ROAD 4163	TYLER	32.387288	-95.364626
	RCRA-G	TRANSPORTATION SECURITY AD	700 SKYWAY BLVD SUITE 102	TYLER	32.353932	-95.4025638
		WAL-MART STORES TEXAS LLC -	3820 HIGHWAY 64 W	TYLER	32.351370	-95.3458802
	TXAST	BECKAT OIL & FUEL LP	12426 HIGHWAY 64 W	TYLER	32.536850	-95.8564864
			12426 HIGHWAY 64 W	TYLER	32.536850	-95.8564864
			12426 HIGHWAY 64 W	TYLER	32.536850	-95.8564864
			12426 HIGHWAY 64 W	TYLER	32.536850	-95.8564864
			12426 HIGHWAY 64 W	TYLER	32.536850	-95.8564864
			12426 HIGHWAY 64 W	TYLER	32.536850	-95.8564864
			12426 HIGHWAY 64 W	TYLER	32.536850	-95.8564864
			12426 HIGHWAY 64 W	TYLER	32.536850	-95.8564864
			12426 HIGHWAY 64 W	TYLER	32.536850	-95.8564864
		BENETTE FREIGHT	12126 HIGHWAY 64 W	TYLER	29.514029	-98.465432
		JET CENTER OF TYLER	209 AIRPORT DR	TYLER	29.990908	-93.947846
			209 AIRPORT DR	TYLER	29.990908	-93.947846
		LONGVIEW BRIDGE & ROAD 0616	233 AIRPORT DR	TYLER	34.529345	-101.79636
		TYLER AERO	1320 CR 1143	TYLER	32.95484	-96.863111
			1320 CR 1143	TYLER	32.95484	-96.863111
			1320 CR 1143	TYLER	32.95484	-96.863111
			1320 CR 1143	TYLER	32.95484	-96.863111
			1320 CR 1143	TYLER	32.95484	-96.863111
			1320 CR 1143	TYLER	32.95484	-96.863111
			1320 CR 1143	TYLER	32.95484	-96.863111
			1320 CR 1143	TYLER	32.95484	-96.863111
	TXLUST	DARR EQUIPMENT CO	W HWY 31	TYLER	32.350495	-95.312711
		FOOD FAST 57	11812 HWY 64 WEST	TYLER	32.357665	-95.362185
			11812 W HWY 64	TYLER	32.357691	-95.362243
		STOP N SHOP	W HWY 64	TYLER	32.350481	-95.319384
	TXSPILL	TYLER AERO	W POUNDS FIELD HWY 64	TYLER	32.350481	-95.319384
		Bob Jefeys	Kirby Station Located on HWY 64 West	Tyler	0	0
			Kirby Station Located on HWY 64 West	Tyler	0	0
		CITY OF TYLER	located at 14939 County Road 46, appr	TYLER	0	0
	TXUST	EXECUTIVE AVIATION	FUEL DEPOT, TYLER POUNDS FIELD	TYLER	0	0
		CLARENCE YOUNG PROPERTY	301 E FRONT ST	TYLER	32.346475	-95.2981473
			301 E FRONT ST	TYLER	32.346475	-95.2981473
			301 E FRONT ST	TYLER	32.346475	-95.2981473
			301 E FRONT ST	TYLER	32.346475	-95.2981473
		DIXIE VOL FIRE DEPT	DIXIE DR S OF HWY 64 W	TYLER	32.398602	-95.4149003
		FOOD FAST 1054	6424 S BROADWAY AVE	TYLER	32.279301	-95.305679
			6424 S BROADWAY AVE	TYLER	32.279301	-95.305679
			6424 S BROADWAY AVE	TYLER	32.279301	-95.305679
		FOOD FAST 1057	11812 STATE HIGHWAY 64 W	TYLER	32.358428	-95.362026
			11812 STATE HIGHWAY 64 W	TYLER	32.358428	-95.362026

**Database count for 75704**

ERNS	4	RCRA-G	2	TXAST	20
TXLUST	5	TXSPILL	4	TXUST	43

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75704</b>	<i>TXUST</i>	FOOD FAST 1057	11812 STATE HIGHWAY 64 W	TYLER	32.358428	-95.362026
		HOLLAND AIRCRAFT ENGINE SER	General Delivery	TYLER	32.398602	-95.4149003
		HTC RANCH	General Delivery	TYLER	32.398602	-95.4149003
		JOHNNY MILLER STATION	HWY 64 W	TYLER	32.363036	-95.420204
			HWY 64 W	TYLER	32.363036	-95.420204
			HWY 64 W	TYLER	32.363036	-95.420204
			HWY 64 W	TYLER	32.363036	-95.420204
		JOHNSON AVIATION	353 AIRPORT RD	TYLER	32.362525	-95.4027129
			353 AIRPORT RD	TYLER	32.362525	-95.4027129
		KIDD JONES 8	11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
			11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
			11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
			11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
		MEWBOURNE AVIATION DEPART	704 CR 1143	TYLER	32.360303	-95.3909773
			704 CR 1143	TYLER	32.360303	-95.3909773
		MINUTE STOP 1	11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
		NATIONAL CAR RENTAL TYLER P	150 AIRPORT DR	TYLER	32.360089	-95.3989967
		STOP N SHOP	General Delivery	TYLER	32.398602	-95.4149003
			General Delivery	TYLER	32.398602	-95.4149003
			HWY 64 W	TYLER	32.363036	-95.420204
			HWY 64 W	TYLER	32.363036	-95.420204
		TYLER TURBINE SALES	1862 CR 1143	TYLER	32.356400	-95.3908186
			1862 CR 1143	TYLER	32.356400	-95.3908186
		TYLER TYR ATCT	POUNDS FIELD	TYLER	32.353889	-95.402222
		USA FOODS	General Delivery	TYLER	32.398602	-95.4149003
			General Delivery	TYLER	32.398602	-95.4149003
			General Delivery	TYLER	32.398602	-95.4149003

CERCLIS	1	CORRACT	1	ERNS	1
RCRA TSD	1	RCRA-G	3	TXAST	35
TXLUST	3	TXSPILL	12	TXUST	90

Zip Index Page 3 of 8



**Database count for 75706**

CERCLIS	1	CORRACT	1	ERNS	1
RCRA TSD	1	RCRA-G	3	TXAST	35
TXLUST	3	TXSPILL	12	TXUST	90

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75706</b>	<i>TXSPILL</i>	GENERIC INCIDENT PRINCIPAL	GENERIC INCIDENT ZIP CODE 75706	TYLER	0	0
		LETOURNEAU, INC	ON LETOURNEAU PLANT W OF HIG	LONGVIEW	0	0
		MCWANE INC	11721 US HIGHWAY 69 N TYLER TX	TYLER	0	0
		STOVALL FERTILIZER	INTERSECTION FM 279 @ FM 2010,	Tyler	32.3671	-95.4377
			INTERSECTION FM 279 @ FM 2010,	Tyler	32.3671	-95.4377
		UDS / Total Petroleum	3512 S Main St # 69	Tyler	32.4421	-95.3668
			3512 S Main St # 69	Tyler	32.4421	-95.3668
	<i>TXUST</i>	BP BARNES	General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
		BUNNYS 14	638 E NORTHEAST LOOP 323	TYLER	0	0
			638 E NORTHEAST LOOP 323	TYLER	0	0
			638 E NORTHEAST LOOP 323	TYLER	0	0
		C SHELL	12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
		CO-OPERATIVE ROSE GROWERS	US HWY 69 NORTH ROUTE	TYLER	32.463199	-95.3833499
			US HWY 69 NORTH ROUTE	TYLER	32.463199	-95.3833499
			US HWY 69 NORTH ROUTE	TYLER	32.463199	-95.3833499
		DAVIS COFFEE	General Delivery	TYLER	32.447338	-95.3311652
		DAY & NIGHT 82	13341 I 20 W	TYLER	32.469976	-95.358621
			13341 I 20 W	TYLER	32.469976	-95.358621
			13341 I 20 W	TYLER	32.469976	-95.358621
			13341 I 20 W	TYLER	32.469976	-95.358621
		FRANK HOLEY NURSERY	12999 CR 433	TYLER	32.455716	-95.4208062
		FWA TRANSPORTATION	HWY 69 N	TYLER	32.466513	-95.387689
			HWY 69 N	TYLER	32.466513	-95.387689
		JOE EDDIE HITT	390 CR 313 W	TYLER	32.488340	-95.2824578
			390 CR 313 W	TYLER	32.488340	-95.2824578
		JOHN SOULES FOODS	10150 FM 14	TYLER	32.410384	-95.276204
		KING MART 2	8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
			8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
			8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
			8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
		LOFT BAR B Q	I 20 & HWY 14	TYLER	31.311986	-96.6303878
			I 20 & HWY 14	TYLER	31.311986	-96.6303878
		PAYLESS GAS 620	1201 SPEIGHT	WACO	31.539819	-97.125406
			1201 SPEIGHT	WACO	31.539819	-97.125406
		PILOT TRAVEL CENTER 486	12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
		RABIAS MART	11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414

**Database count for 75706**

CERCLIS	1	CORRACT	1	ERNS	1
RCRA TSD	1	RCRA-G	3	TXAST	35
TXLUST	3	TXSPILL	12	TXUST	90

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
75706	TXUST	ROBERT C JACKSON	12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
		SAND FLANT UNIT	FM 14 10MI S OF TYLER	TYLER	32.447338	-95.3311652
		SEXTON ROSES	10076 US HIGHWAY 69 N	TYLER	32.410839	-95.346997
		STATE PARK GROCERY	14910 FM 14	TYLER	32.481922	-95.279267
			14910 FM 14	TYLER	32.481922	-95.279267
			14910 FM 14	TYLER	32.481922	-95.279267
		STOP N GO EXXON	13411 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			13411 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			13411 INTERSTATE 20 W	TYLER	32.469976	-95.358621
		TYLER FUEL PLAZA	3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
		TYLER PIPE	11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
			11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
			11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
			11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
			11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
			11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
			11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
			11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
			11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
			11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
			11910 COUNTY ROAD 492	TYLER	32.466513	-95.387689
		TYLER STATE PARK	General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
		UNITED FUEL & ENGERGY SFS Y	10449 US HIGHWAY 69 N	TYLER	32.466513	-95.387689
			10449 US HIGHWAY 69 N	TYLER	32.466513	-95.387689
		UNITY 6	General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
		WILSON-RILEY	General Delivery	TYLER	32.447338	-95.3311652
		YELLOW TRANSPORTATION	3722 N NORTHEAST LOOP 323	TYLER	32.385972	-95.268706

**Database count for 75771**

DRYC	2	RCRA-G	2	TXAST	8
TXLUST	17	TXSPILL	8	TXUST	96
TXVCP	1				

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
75771	DRYC	LINDALE CLEANERS	1406 S MAIN ST	LINDALE	32.502648	-95.406198
			FM 849 @ I 20	LINDALE	32.516287	-95.4004723
	RCRA-G	HAWLEY SANITATION	16988 COUNTY ROAD 476	LINDALE	32.514783	-95.44572
		WAL-MART STORES TEXAS LLC -	105 CENTENNIAL BLVD	LINDALE	32.474058	-95.387922
	TXAST	LOWES OF LINDALE TX 1965	3200 S MAIN ST	LINDALE	32.474759	-95.3911652
		R OASIS	14773 STATE HIGHWAY 110 N	LINDALE	30.269774	-97.749964
			14773 STATE HIGHWAY 110 N	LINDALE	30.269774	-97.749964
			14773 STATE HIGHWAY 110 N	LINDALE	30.269774	-97.749964
			14773 STATE HIGHWAY 110 N	LINDALE	30.269774	-97.749964
		SMITH CO PRECINCT FOUR	CR 4112	LINDALE	32.717255	-97.149417
		TRANSPORTATION GARAGE	605 BRAD CIR	LINDALE	32.350770	-88.7434533
			605 BRAD CIR	LINDALE	32.350770	-88.7434533
	TXLUST	ABANDONED STATION GILLIS FA	CR 445 GARDEN VALLEY COMMUNIT	GARDEN VALL	32.5372	-95.5274
		ALLEN CANNING CO	200 NORTH ST	LINDALE	32.517312	-95.411261
		BILL PARROTT	COOPER ST @ HWY 69	LINDALE	32.510194	-95.40927
		CHEVRON CORNER MARKET	147 I H 20	LINDALE	32.46875	-95.447543
		CITY OF LINDALE	201 N MAIN	LINDALE	32.5129	-95.4341
		HIDE A WAY LAKE CLUB MARINA	HIDE A WAY LN W	LINDALE	32.4841	-95.4638
		KIDD JONES LINDALE	303 S MAIN ST	LINDALE	32.5129	-95.4341
		LOVES COUNTRY STORE 225	I 20 @ HWY 110	LINDALE	32.46875	-95.447543
		M & M TRUCK STOP	310 N MAIN ST	LINDALE	32.517701	-95.409966
		NUWAY FFP 247	907 S MAIN	LINDALE	32.5129	-95.4341
		QUIX 493 COUNTRY STORE	17080 I 20	LINDALE	32.470399	-95.455896
		RITE TRACK 9	18562 FM 14	LINDALE	32.532	-95.2711
		ROAD RUNNER 109	IH 20 @ HWY 69 N	TYLER	32.453475	-95.285985
		RUNNING W TRUCK STOP	24782 W IH 20	LINDALE	32.499716	-95.584357
		SMITH COUNTY ROAD DEPT LIND	COUNTY RD 4112	LINDALE	32.533	-95.4084
		TEXACO SERVICE STATION	IH 20 @ HWY 69	LINDALE	32.46875	-95.447543
		TOTAL STORE 4539	3512 S MAIN ST	LINDALE	32.469373	-95.387801
	TXSPILL	ALLEN CANNING CO.	PLATFORM SCALE AREA, LINDALE P	LINDALE	0	0
		DORA BRYANT	COUNTY RD. 433, 0.5 MI S OF FM 849	LINDALE	32.493992	-95.421729
		GATEWAY FENCE CO.	18552 HWY 69 N, LINDALE, TX 75771	LINDALE	0	0
			18552 HWY 69 N. LINDALE	LINDALE	0	0
		MEGA GULF COAST LINES INC	GENERIC INCIDENT ZIP CODE 75771	LINDALE	0	0
		Quality Liquid Feeds	Corner of Houston & Jackson Streets, S	Lindale	0	0
			Corner of Houston & Jackson Streets, S	Lindale	0	0
		TEXAS DEPARTMENT OF TRANSP	GENERIC INCIDENT ZIP CODE 75771	LINDALE	0	0
	TXUST	882 CO LINDALE SWAN	2519 S MAIN ST	LINDALE	32.509009	-95.408851
		ABANDONED STATION	CR 445	GARDEN VALL	32.544846	-95.5251648
		ALLEN CANNING COMPANY	200 W NORTH ST	LINDALE	32.517351	-95.4112136
			200 W NORTH ST	LINDALE	32.517351	-95.4112136
		ARMADILLO COUNTRY STORE 17	24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
		BOBBY L WELLS	RT 3	LINDALE	30.867659	-94.6943444
		BORAL HENDERSON CLAY PROD	General Delivery	LINDALE	32.515697	-95.4093998
			General Delivery	LINDALE	32.515697	-95.4093998
		BROOKSHIRE GROCERY 3	521 S MAIN ST	LINDALE	32.509666	-95.408515
		CITY OF LINDALE	201 N MAIN ST	LINDALE	32.517128	-95.4099647

**Database count for 75771**

DRYC	2	RCRA-G	2	TXAST	8
TXLUST	17	TXSPILL	8	TXUST	96
TXVCP	1				

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
75771	TXUST	CITY OF LINDALE	201 N MAIN ST	LINDALE	32.517128	-95.4099647
			201 N MAIN ST	LINDALE	32.517128	-95.4099647
		CREWS N BUY MART	907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
		GARDEN VALLEY GOLF CLUB	22049 FM 1995	LINDALE	32.483715	-95.53998
			22049 FM 1995	LINDALE	32.483715	-95.53998
		GOLF COURSE MAINT BARN	SERVICE TO IH 20 RD	LINDALE	32.515697	-95.4093998
			SERVICE TO IH 20 RD	LINDALE	32.515697	-95.4093998
		HIDE-A-WAY CLUB MARINA	1259 HIDEAWAY LN W	HIDEAWAY	32.49923	-95.453897
		KEN WILLIAMS EXXON	206 S MAIN HWY 69	LINDALE	32.515697	-95.4093998
			206 S MAIN HWY 69	LINDALE	32.515697	-95.4093998
			206 S MAIN HWY 69	LINDALE	32.515697	-95.4093998
		KIDD JONES HIDEAWAY	17080 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			17080 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			17080 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			17080 INTERSTATE 20 W	LINDALE	0	0
			17080 INTERSTATE 20 W	LINDALE	0	0
		KIDD JONES LINDALE	303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
		LAST DAYS EVANGELICAL ASSO LINDALE PLANT	General Delivery	LINDALE	32.515697	-95.4093998
			HWY 69	LINDALE	32.509009	-95.408851
			HWY 69	LINDALE	32.509009	-95.408851
		LINDALE STATE BANK	107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
		LINDALE TXD980598999	2 5 MI NE OF LINDALE	LINDALE	32.515697	-95.4093998
		LOVES COUNTRY STORE 225	I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
		M & M TRUCK STOP	310 N MAIN	LINDALE	32.51822	-95.410571
			310 N MAIN	LINDALE	32.51822	-95.410571
			310 N MAIN	LINDALE	32.51822	-95.410571
		MAINTENANCE GARAGE	BOYD ST	LINDALE	32.510078	-95.4126511

**Database count for 75771**

DRYC	2	RCRA-G	2	TXAST	8
TXLUST	17	TXSPILL	8	TXUST	96
TXVCP	1				

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75771</b>	<b>TXUST</b>	MEA NURSERY	N HWY 69	LINDALE	32.541852	-95.419957
			N HWY 69	LINDALE	32.541852	-95.419957
			N HWY 69	LINDALE	32.541852	-95.419957
		MURPHY USA 7255	2318 S MAIN ST	LINDALE	32.484913	-95.3968308
			2318 S MAIN ST	LINDALE	32.484913	-95.3968308
		POPS FUEL STOP	802 N MAIN	LINDALE	32.523784	-95.411955
			802 N MAIN	LINDALE	32.523784	-95.411955
			802 N MAIN	LINDALE	32.523784	-95.411955
		R OASIS	14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
		R TIGER EXPRESS	21126 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			21126 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			21126 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
		RACEWAY 6760	3318 S MAIN ST	LINDALE	32.471523	-95.388882
			3318 S MAIN ST	LINDALE	32.471523	-95.388882
			3318 S MAIN ST	LINDALE	32.471523	-95.388882
		RITE TRACK 9	18562 FM 14	LINDALE	32.535563	-95.270554
			18562 FM 14	LINDALE	32.535563	-95.270554
		SMITH CO PRECINCT FOUR	CR 4112	LINDALE	32.529091	-95.4091575
			CR 4112	LINDALE	32.529091	-95.4091575
		STUCKEYS	I 20 & HWY 110	LINDALE	32.515697	-95.4093998
			I 20 & HWY 110	LINDALE	32.515697	-95.4093998
			I 20 & HWY 110	LINDALE	32.515697	-95.4093998
		TRANSPORTATION GARAGE	605 BRAD CIR	LINDALE	32.506138	-95.4055929
		TWIN OAKS RANCH	W HWY 16	LINDALE	32.515697	-95.4093998
		VACANT	HWY 69 & COOPER	LINDALE	32.510226	-95.4085983
			HWY 69 & COOPER	LINDALE	32.510226	-95.4085983
			HWY 69 & COOPER	LINDALE	32.510226	-95.4085983
		VACANT STORE	910 S MAIN ST	LINDALE	32.507684	-95.4081115
			910 S MAIN ST	LINDALE	32.507684	-95.4081115
		WAL-MART SUPERCENTER 3764	105 CENTENNIAL BLVD	LINDALE	32.475626	-95.389503
	<b>TXVCP</b>	McNeese Tract	3012 South Main Street	Lindale	32.476629	-95.3921761





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Fax to: 888.756.7647

From: Samantha Champion  
Hicks & Company  
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\*For same day service please order before noon C.S.T.

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\*Use with the AAI, ASTM radius search or combo to add a 1/4 mile to all databases. (adds +1.76 sq. mi. of total search area!) **\$56**

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<input type="checkbox"/> Aquifer Structure \$35	<input type="checkbox"/> FEMA Flood Insurance Map \$20
<input type="checkbox"/> USGS Topo Map (7.5 min) \$15	<input type="checkbox"/> Geologic Atlas Map \$20
<input type="checkbox"/> Oil and Gas Review (\$40 p/hour \$65 for location map)	<input type="checkbox"/> RecentPhoto (newest available) \$15
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Name on Card \_\_\_\_\_

Questions? Call Toll-Free 800.583.0004,  
or Email Us at [Sales@TelALL.net](mailto:Sales@TelALL.net)



# Environmental Data Search

for the site

**North Lindale Relief Route  
US 69 / LP 49, Lindale, TX**

**99121B**

performed for

**Hicks & Company**

12/14/2010

HICY6675

**[www.TelALL.net](http://www.TelALL.net)**

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(800) 583-0004 by fax (888) 756-7647

## Preface

This document of environmental concerns near US 69 / LP 49, Lindale, TX reports findings of the TelALL data search, prepared on the request of Hicks & Company.

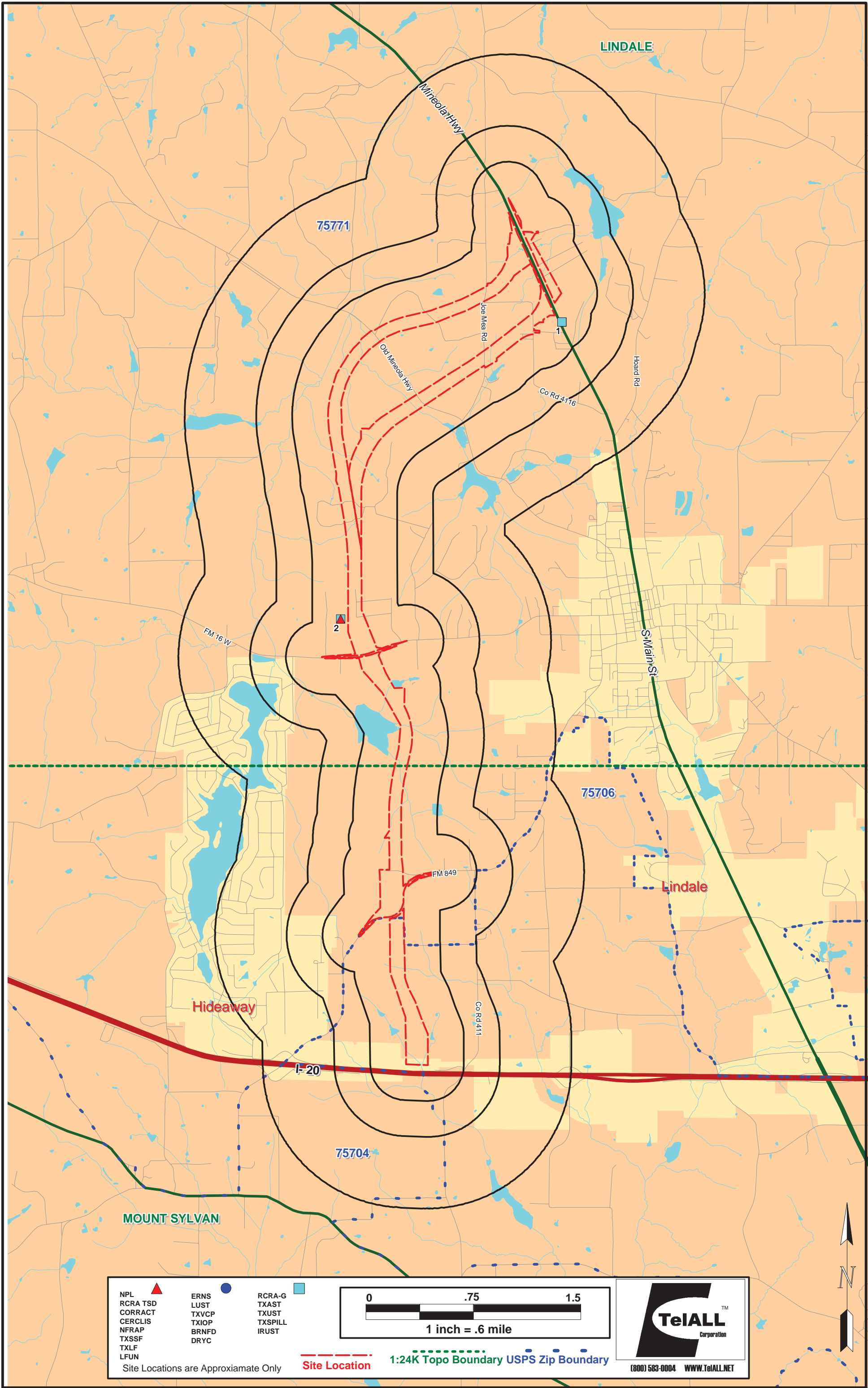
TelALL Corporation (TelALL) has designed this document to comply with the AAI and ASTM standard E 1527 - 05 (Accuracy and Completeness) and has used all available resources, but makes no claim to the entirety or accuracy of the cited government, state, or tribal records. Our databases are updated at least every 90 days or as soon as possible after publication by the referenced agencies. The following fields of governmental, state, and tribal databases may not represent all known, unknown, or potential sources of contamination to the referenced site. Many different variables effect the outcome of the following document. TelALL maintains extremely high standards, and stringent procedures that are used to search the referenced data. However, TelALL reserves the right at any time to amend any information related to this report. If there is a need for further information regarding this report, or for any customer support please call TelALL at 800 583-0004 for assistance.

This report is divided into the following components:

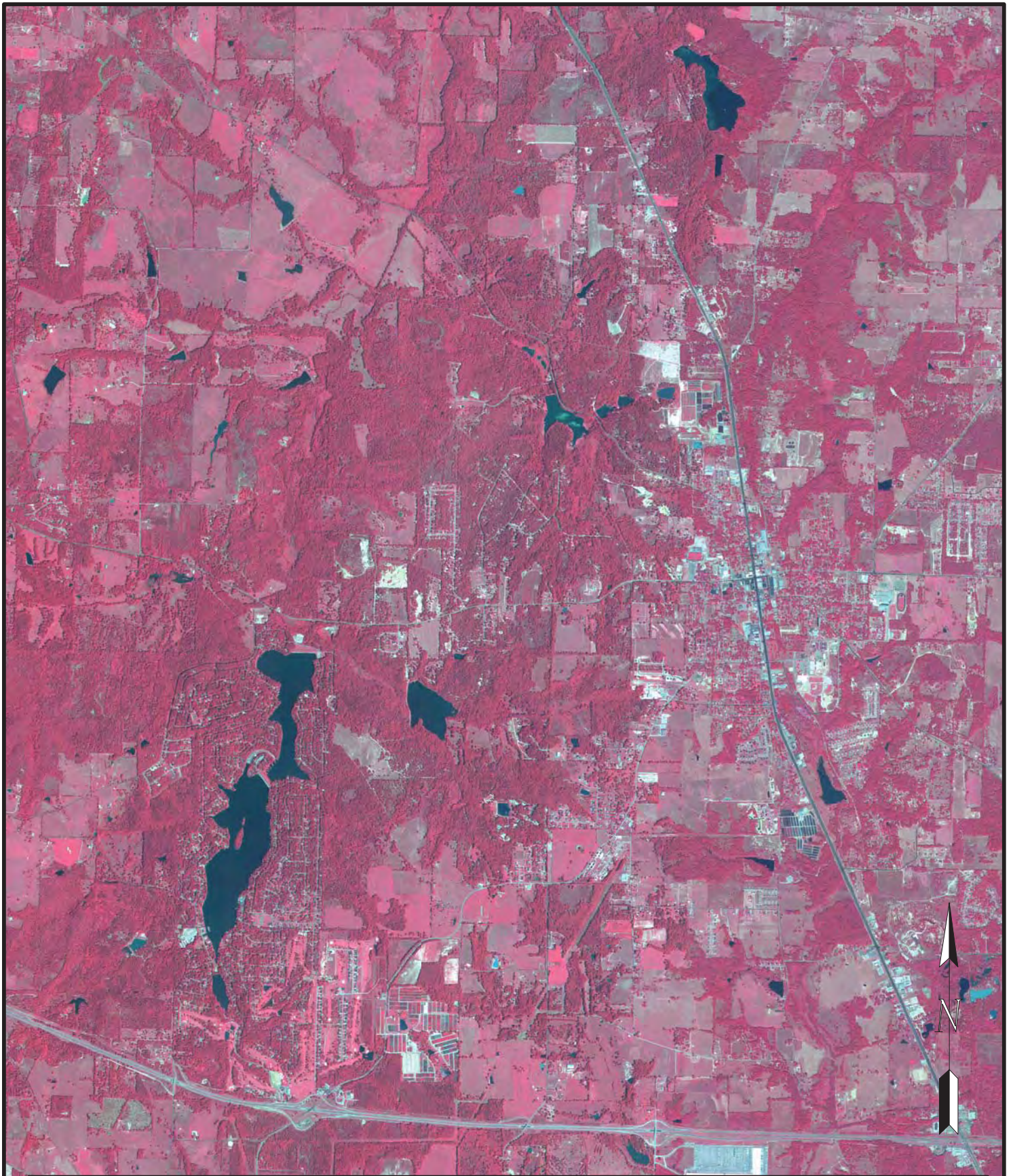
<b>MAP</b>	Identified geocodeable findings relative to this data search.
<b>SUMMARY 1</b>	Sorting of the identified sites by distance from the subject site.
<b>FINAL</b>	A description of each database and a detailed explanation of findings.

## Sources

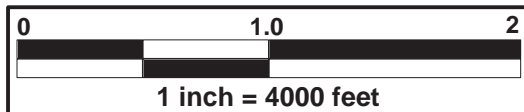
Database	Acronym	Last Updated	Minimum Search Distance	Findings
National Priority List	NPL	09/2010	1	0
Comprehensive Environmental Response, Compensation, and Liability Information System	CERCLIS	09/2010	0.5	0
No Further Remedial Action Planned	NFRAP	09/2010	0.5	0
Resource Conservation and Recovery Information System - Treatment Storage or Disposal	RCRA TSD	10/2010	1	0
Corrective Action	CORRACT	10/2010	1	0
Resource Conservation and Recovery Information System - Generators	RCRA-G	10/2010	0.25	1
Emergency Response Notification System	ERNS	11/2010	0.25	0
Texas Voluntary Cleanup Program	TXVCP	10/2010	0.5	0
Innocent Owner/Operator Program	TXIOP	10/2010	0.5	0
Texas State Superfund	TXSSF	11/2010	1	0
TCEQ Solid Waste Facilities	TXLF	09/2010	1	3
Unauthorized and Unpermitted Landfill Sites	LFUN	09/2010	0.5	0
Leaking Underground Storage Tanks	TXLUST	11/2010	0.5	0
Texas Underground Storage Tanks	TXUST	11/2010	0.25	3
Texas Above Ground Storage Tanks	TXAST	11/2010	0.25	0
Texas Spills List	TXSPILL	09/2010	0.25	0
Brownfield	BRNFD	10/2010	0.5	0
Dry Cleaner	DRYC	11/2010	0.5	0
Indian Reservation Underground Storage Tanks	IRUST	11/2010	0.25	0





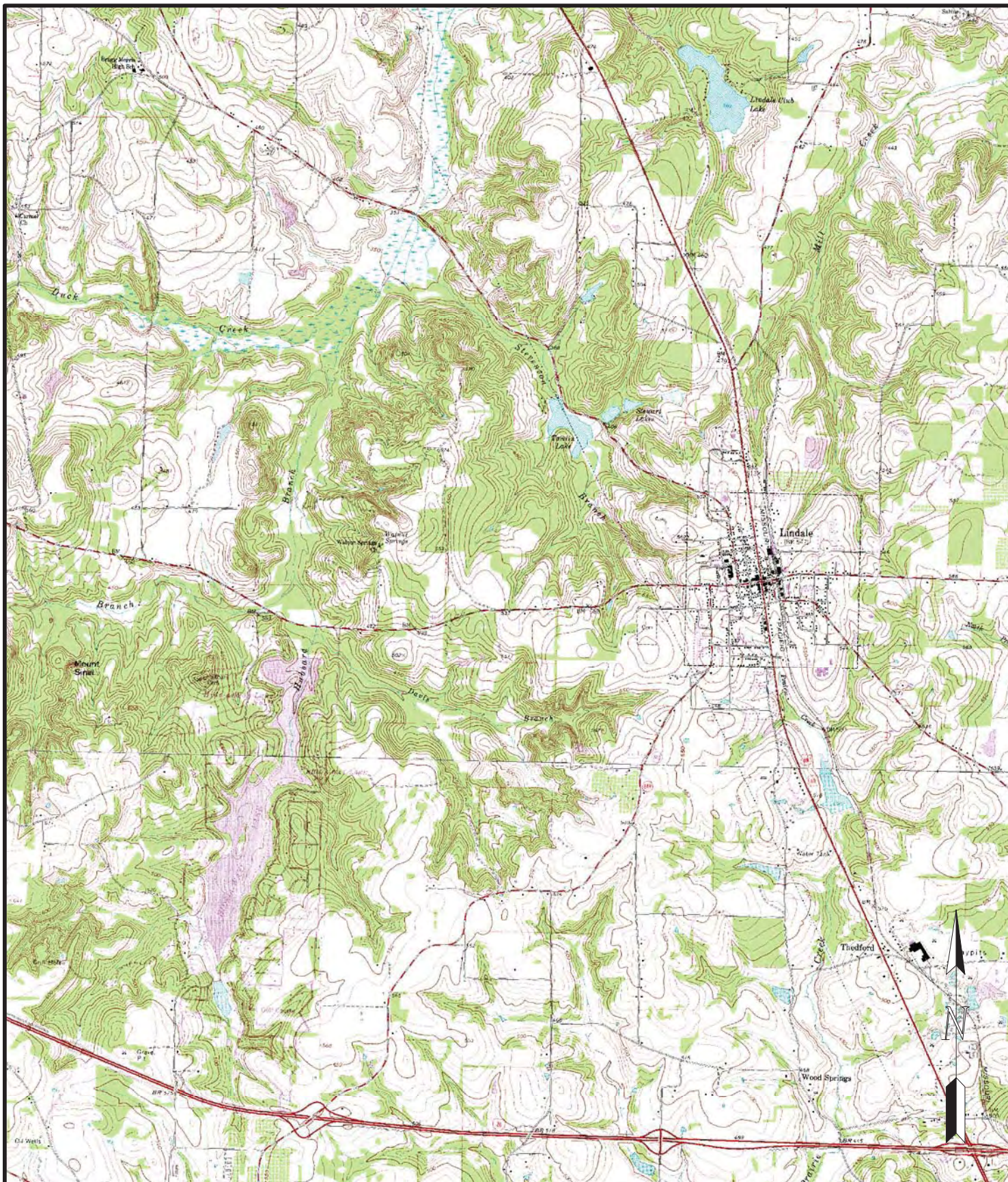


**2004 NAIP Photograph**  
(Infrared Image)

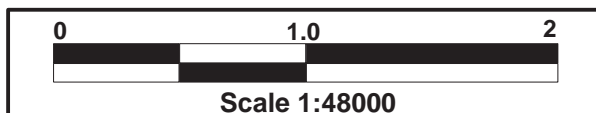


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To identify the map date and or revision date  
please call TRNIS at 512-463-8337.



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**Current USGS 7.5 Minute Topographic Map**



99121B  
North Lindale Relief Route  
US 69 / LP 49, Lindale, TX

## Sites Sorted By Distance from Center

Page 1  
Job HICY6675  
Date 12/14/2010

Distance/Direction	Database	Site Number	Address	City/State	Site Name
					IRUST NO FINDINGS WITHIN 1/4 MILE.
					NPL NO FINDINGS WITHIN ONE MILE.
					CERCLIS NO FINDINGS WITHIN 1/2 MILE.
					NFRAP NO FINDINGS WITHIN 1/2 MILE.
					CORRACT NO FINDINGS WITHIN ONE MILE.
					ERNS NO FINDINGS WITHIN 1/4 MILE.
					TXVCP NO FINDINGS WITHIN 1/2 MILE.
					RCRA TSD NO FINDINGS WITHIN ONE MILE.
					TXAST NO FINDINGS WITHIN 1/4 MILE.
					TXLUST NO FINDINGS WITHIN 1/2 MILE.
					TXSSF NO FINDINGS WITHIN ONE MILE.
					TXSPILL NO FINDINGS WITHIN 1/4 MILE.
					LFUN NO FINDINGS WITHIN 1/2 MILE.
					TXIOP NO FINDINGS WITHIN 1/2 MILE.
					BRNFD NO FINDINGS WITHIN 1/2 MILE.
					DRYC NO FINDINGS WITHIN 1/2 MILE.
.05					
	W	RCRA-G	2	16988 COUNTY ROAD 476	LINDALE HAWLEY SANITATION
	W	TXLF	2	16988 COUNTY ROAD 476 LINDALE, TX 7	SMITH HAWLEY RECYCLING
.08					
	S E	TXUST	1	N HWY 69	LINDALE MEA NURSERY
	S E	TXUST	1	N HWY 69	LINDALE MEA NURSERY
	S E	TXUST	1	N HWY 69	LINDALE MEA NURSERY
<b>Site Location Unknown</b>					
		TXLF	unknown	2.5 MILES W OF JUNCTION OF US HIGHW	SMITH HIDE-A-WAY LAKE LANDFILL
		TXLF	unknown	3.5 MILES W OF LINDALE ON FM 16 LIND	SMITH CITY OF LINDALE LANDFILL

---

**NPL****National Priority List**

NPL is a priority subset of the CERCLIS list. (See CERCLIS, below) The Cerclis list was created by the Comprehensive Environmental Response, Compensation and Liability Acts (CERCLA) need to track contaminated sites. CERCLA was enacted on 12/11/80, and amended by the Superfund Amendments and Reauthorization Act of 1986. These acts established broad authority for the government to respond to problems posed by the release, or threat of release of hazardous substances, pollutants, or contaminants. CERCLA also imposed liability on those responsible for releases and provided the authority for the government to undertake enforcement and abatement action against responsible parties. Institutional/Engineering Controls searched. Delisted NPL sites are included.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** NPL

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**CERCLIS****Comprehensive Environmental Response, Compensation, and Liability Information System**

CERCLIS is the official repository for site and non-site specific Superfund data in support of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). It contains information on hazardous waste site assessment and remediation from 1983 to the present. CERCLIS information is used to report official Superfund accomplishments to Congress and the public, assist EPA Regional and Headquarters managers in evaluating the status and progress of site cleanup actions, track Superfund Comprehensive Accomplishments Plan (SCAP), and communicate planned activities and budgets. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** CERCLIS

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

## **NFRAP**

### **No Further Remedial Action Planned**

NFRAP Sites indicate a CERCLIS site that was designated "No further remedial action planned" by the EPA February 1995. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** NFRAP

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

## **RCRA TSD**

### **Resource Conservation and Recovery Information System - Treatment Storage or Disposal**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA TSD (Treatment Storage or Disposal) is a subset of the RCRIS list. RCRA TSD tracks facilities that fall under the Treatment Storage or Disposal classification.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** RCRA TSD

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**CORRACT****Corrective Action**

CORRACT lists RCRIS (Resource Conservation and Recovery Information System) sites that are currently under corrective action. Institutional/Engineering Controls searched.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** CORRACT

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**RCRA-G****Resource Conservation and Recovery Information System - Generators**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste, are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA-G (Generators) list is a subset of the RCRIS list. RCRA-G tracks facilities that fall under the generators or transporters classification.

*CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS (CESQG) produce less than 100 kg per month of hazardous waste. SMALL QUANTITY GENERATORS (SQG) produce at least 100 kg per month but less than 1000 kg per month of hazardous waste. LARGE QUANTITY GENERATORS (LQG) produce at least 1000 kg per month of hazardous waste. Source: United States Environmental Protection Agency (EPA)*

**2**

**Database:** RCRA-G

**Site:** HAWLEY SANITATION

**Distance:** 0.046 W

**Address** 16988 COUNTY ROAD 476

**Zip Code** 75771

**City:** LINDALE

Site EPA ID: TXR000078050 - Type of site: Transporter Contact Information: JIMMY HAWLEY, PO BOX 1121 LINDALE, TX, 75771; tel. 903-882-4839 OR NAIC (North American Industrial Classification) Code(s): 562112



---

**ERNS****Emergency Response Notification System**

ERNS supports the release notification requirements of section 103 of the Comprehensive Environmental Response Compensation, and Liability Act (CERCLA), as amended; section 311 of the Clean Water Act; and sections 300.51 and 300.65 of the National Oil and Hazardous Substances Contingency Plan. Additionally, ERNS serves as a mechanism to document and verify incident-location information as initially reported, and is utilized as a direct source of easily accessible data, needed for analyzing oil and hazardous substances spills.

*Source: National Response Center (NRC)*

**Database:** ERNS

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**TXVCP****Texas Voluntary Cleanup Program**

Created under HB 2296, The Voluntary Cleanup Program (VCP) was established on 09/01/95 to provide administrative, technical, and legal reasons to promote the cleanup of tainted sites in Texas. Since future lenders and landowners get protection from liability to the State of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate deals at those sites are removed. As a result, many unused or under used sites may be restored to economically productive or community beneficial uses. After cleanup, the parties get a certificate of completion from the TCEQ which states that all lenders and future land owners who are not PRP's are free from all liability to the State. Institutional/Engineering Controls searched.

*Parts of the above description were taken from the TCEQ/VCP Website (<http://www.TCEQ.state.tx.us/permitting/remed/vcp/>).*

*The investigation phases are listed as INVESTIGATION, REMEDIATION, POST-CLOSURE, and COMPLETE.*

*Contaminant Categories (PERC and BTEX). Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXVCP

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**TXIOP****Innocent Owner/Operator Program**

The TX IOP, created by House Bill 2776 of the 75th Leg, provides a cert. to an innocent owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not loc. on the prop., and they did not cause or contribute to the source or sources of contamination. Like the TxVCP Prog., the IOP can be used as a redevelopment tool or as a tool to add value to a contaminated prop. by providing an Innocent Owner/Operator Certificate (IOC). However, unlike the VCP release of liability, IOCs are not trans. to future owners/oper's. Future owners/oper's are eligible to enter the IOP and may rec. an IOC only after they become an owner or operator of the site.

*The above description were taken from the TCEQ/IOP Website  
(<http://www.TCEQ.state.tx.us/permitting/remed/vcp/iop.html>).  
Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXIOP

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**TXSSF****Texas State Superfund**

The Texas State Superfund database is a list of sites that the State of Texas has identified for investigation or remediation. Texas State Superfund sites are reviewed for potential upgrading to Comprehensive Environmental Response, Compensation, and Liability Information System status by the federal Environmental Protection Agency. Institutional/Engineering Controls searched.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXSSF

**Site:** No findings within one mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**TXLF****TCEQ Solid Waste Facilities**

Texas Commission on Environmental Quality (TCEQ) Requires municipalities and counties to report known active and inactive landfills. Texas Landfills is a listing of solid waste facilities registered and tracked by the TCEQ Solid waste division. The facilities tracked include solid waste disposal sites as well as transfer stations and processing stations.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**2****Database:** TXLF**Site:** HAWLEY RECYCLING**Distance:** 0.046 W**Address** 16988 COUNTY ROAD 476 LINDALE, TX 75771-5637**Zip Code** 75771**City:** SMITH

Site ID: 100045 - Permit app. received date: 11/10/2004. Facility type: RESOURCE RECOVERY/RECYCLING FACILITY. Site status: ACTIVE, Permit status: ISSUED, Business type: INDIVIDUAL, Permitted acreage: N/A, Population served: Unknown, Area served: LINDALE CITY. Tons per day: N/A, Yards per day: N/A, Estimated closing date: Unknown. App. name, address, phone number: OWNOPR: Hawley Recycling, OWNOPR: PO BOX 1121 LINDALE, TX 757711121, OWNOPR: (903) 882 - 4839.

---

**3****Database:** TXLF**\*Not mapped\*****Site:** HIDE-A-WAY LAKE LANDFILL**Distance:** Site Location Unknown**Address** 2.5 MILES W OF JUNCTION OF US HIGHWAY 69 AND FM 16 ADJACENT TO S SIDE OF F**Zip Code****City:** SMITH

Site ID: 1154 - Permit app. received date: 10/5/1977. Facility type: SANITARY LANDFILL FOR BRUSH AND/OR CONSTRUCTION-DEMOLITION MATERIAL, MONTHLY COVER REQUIRED. Site status: CLOSED, Permit status: REVOKED, Business type: 03, Permitted acreage: 5, Population served: 400, Area served: HIDE A WAY LAKE. Tons per day: 1, Yards per day: Unknown, Estimated closing date: 10/1/1982. App. name, address, phone number: OWNOPR: Hide-A-Way Lake Club, Inc., OWNOPR: RR 4 BOX 743 LINDALE, TX 757719804, OWNOPR: (214) 882 - 6151.

**4****Database:** TXLF **\*Not mapped\*****Site:** CITY OF LINDALE LANDFILL**Distance:** Site Location Unknown**Address** 3.5 MILES W OF LINDALE ON FM 16 LINDALE, TX**Zip Code****City:** SMITH

Site ID: 529 - Permit app. received date: 3/24/1975. Facility type: SANITARY LANDFILL, DAILY COVER REQUIRED (POPULATION EQUIVALENT SERVED EXCEEDS 5,000 PEOPLE). Site status: CLOSED, Permit status: REVOKED, Business type: CITY, Permitted acreage: 28.262, Population served: 2000, Area served: LINDALE HIDEAWAYLK. Tons per day: 20, Yards per day: Unknown, Estimated closing date: 3/1/1978. App. name, address, phone number: OOWNOPR: City of Lindale, OOWNOPR: PO BOX 130 LINDALE, TX 757710130, OOWNOPR: (214) 882 - 3422.

## LFUN

### Unauthorized and Unpermitted Landfill Sites

Unauthorized sites have no permit and are considered abandoned. All information about these sites was compiled by Southwest Texas State University under contract with TCEQ and is based on a search of publicly available records.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** LFUN**Site:** No findings within 1/2 mile.**Distance:** 0**Address****Zip Code****City:**

---

**TXLUST****Leaking Underground Storage Tanks**

State lists of leaking underground storage tank sites. Section 9003(h) of Subtitle I of RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require owners and operators to do so.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXLUST

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

**TXUST****Texas Underground Storage Tanks**

Underground Storage Tanks - Permitted underground storage tanks tracked and maintained by the Texas Commission on Environmental Quality (TCEQ).

*Source: Texas Commission on Environmental Quality (TCEQ)*

**1**

**Database:** TXUST

**Site:** MEA NURSERY

**Distance:** 0.077 SE

**Address** N HWY 69

**Zip Code** 75771

**City:** LINDALE

Facility ID number 0049341, TCEQ unit ID number 00128109, tank ID number 1, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0006000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0006000 gal The tank construction is of steel. The owner of the facility is MEA NURSERY, the telephone number listed for the owner is 9038823164.

---

Facility ID number 0049341, TCEQ unit ID number 00128110, tank ID number 2, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0002000 Tank is currently removed from ground. Tank compartments: Compartment A: Gasoline. Capacity 0002000 gal The tank construction is of steel. The owner of the facility is MEA NURSERY, the telephone number listed for the owner is 9038823164.

---

Facility ID number 0049341, TCEQ unit ID number 00128111, tank ID number 3, date installed (MMDDYYYY) Unknown, total capacity in gallons: 0006000 Tank is currently removed from ground. Tank compartments: Compartment A: Diesel. Capacity 0006000 gal The tank construction is of steel. The owner of the facility is MEA NURSERY, the telephone number listed for the owner is 9038823164.

---



---

## **TXAST**

### Texas Above Ground Storage Tanks

Aboveground Storage Tanks - Permitted aboveground storage tanks tracked and maintained by the Texas Commission on Environmental Quality (TCEQ).

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXAST

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

## **TXSPILL**

### Texas Spills List

Texas Commission on Environmental Quality (TCEQ) tracks cases where emergency response is needed for cleanup of toxic substances.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** TXSPILL

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

## **BRNFD**

### Brownfield

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Institutional/Engineering Controls searched.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** BRNFD

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

## **DRYC**

### Dry Cleaner

House Bill 1366 requires all dry cleaning drop stations and facilities in Texas to register with Texas Commission on Environmental Quality (TCEQ) and implement new performance standards at their facilities as appropriate. It also requires distributors of dry cleaning solvents to collect fees on the sale of dry cleaning solvents at certain facilities.

*Source: Texas Commission on Environmental Quality (TCEQ)*

**Database:** DRYC

**Site:** No findings within 1/2 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

---

## **IRUST**

### Indian Reservation Underground Storage Tanks

All Appropriate Inquiries (AAI) rule has requested that Underground Storage Tanks on Indian Land be included in any ESA that is affected. Permitted Underground Storage Tanks on Indian Land are tracked and maintained by the EPA.

*Source: United States Environmental Protection Agency (EPA)*

**Database:** IRUST

**Site:** No findings within 1/4 mile.

**Distance:** 0

**Address**

**Zip Code**

**City:**

# TelALL Zip Index

The following zip codes, are the zip codes that TelALL used for generating the preceding report. The information is provided to help our customers make the most thorough data evaluation possible. Lat/Lon. info is provided to assist in locating sites. Lat/Lon info that is listed as "0" indicates that the site has not been geocoded. This does not indicate that the site is an orphan or was not evaluated by TelALL's research personnel.



Database count for 75704							
	ERNS	4	RCRA-G	2	TXAST	12	
	TXLUST	4	TXSPILL	4	TXUST	43	
FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE	
75704	ERNS	COUNTRY PLACE MOBILE HOME	15537 HWY 64 WEST	TYLER	32.365049	-95.426696	
		MJ CRUISERS	11930 COUNTY ROAD 4163	TYLER	32.387288	-95.364626	
			11930 COUNTY ROAD 4163	TYLER	32.387288	-95.364626	
			11930 COUNTY ROAD 4163	TYLER	32.387288	-95.364626	
	RCRA-G	TRANSPORTATION SECURITY AD	700 SKYWAY BLVD SUITE 102	TYLER	0	0	
		WAL-MART STORES TEXAS LLC	3820 HIGHWAY 64 W	TYLER	32.341738	-95.358726	
	TXAST	BECKAT OIL & FUEL LP	12426 HIGHWAY 64 W	TYLER	32.358795	-95.3729221	
			12426 HIGHWAY 64 W	TYLER	32.358795	-95.3729221	
			12426 HIGHWAY 64 W	TYLER	32.358795	-95.3729221	
			12426 HIGHWAY 64 W	TYLER	32.358795	-95.3729221	
		BENETTE FREIGHT	12126 HIGHWAY 64 W	TYLER	32.358311	-95.3670841	
		JET CENTER OF TYLER	209 AIRPORT DR	TYLER	32.360654	-95.396357	
			209 AIRPORT DR	TYLER	32.360654	-95.396357	
		LONGVIEW BRIDGE & ROAD 0616	233 AIRPORT DR	TYLER	32.361388	-95.3961852	
		TYLER AERO	1320 CR 1143	TYLER	32.358233	-95.390837	
			1320 CR 1143	TYLER	32.358233	-95.390837	
			1320 CR 1143	TYLER	32.358233	-95.390837	
			1320 CR 1143	TYLER	32.358233	-95.390837	
		TXLUST	DARR EQUIPMENT CO	W HWY 31	TYLER	32.350495	-95.312711
			FOOD FAST 57	11812 W HWY 64	TYLER	32.357691	-95.362243
			STOP N SHOP	W HWY 64	TYLER	32.350481	-95.319384
			TYLER AERO	W POUNDS FIELD HWY 64	TYLER	32.350481	-95.319384
	TXSPILL	Bob Jefreys	Kirby Station Located on HWY 64 West	Tyler			
			Kirby Station Located on HWY 64 West	Tyler			
		CITY OF TYLER	located at 14939 County Road 46, appr	TYLER	0	0	
	TXUST	EXECUTIVE AVIATION	FUEL DEPOT, TYLER POUNDS FIELD	TYLER			
		CLARENCE YOUNG PROPERTY	301 E FRONT ST	TYLER	32.346475	-95.2981473	
			301 E FRONT ST	TYLER	32.346475	-95.2981473	
			301 E FRONT ST	TYLER	32.346475	-95.2981473	
			301 E FRONT ST	TYLER	32.346475	-95.2981473	
		DIXIE VOL FIRE DEPT	DIXIE DR S OF HWY 64 W	TYLER	32.398602	-95.4149003	
		FOOD FAST 54	6424 S BROADWAY AVE	TYLER	32.279301	-95.305679	
			6424 S BROADWAY AVE	TYLER	32.279301	-95.305679	
			6424 S BROADWAY AVE	TYLER	32.279301	-95.305679	
		FOOD FAST 57	11812 STATE HIGHWAY 64 W	TYLER	32.358428	-95.362026	
			11812 STATE HIGHWAY 64 W	TYLER	32.358428	-95.362026	
			11812 STATE HIGHWAY 64 W	TYLER	32.358428	-95.362026	
		HOLLAND AIRCRAFT ENGINE SER	General Delivery	TYLER	32.398602	-95.4149003	
		HTC RANCH	General Delivery	TYLER	32.398602	-95.4149003	
		JOHNNY MILLER STATION	HWY 64 W	TYLER	32.363036	-95.420204	
			HWY 64 W	TYLER	32.363036	-95.420204	
			HWY 64 W	TYLER	32.363036	-95.420204	
			HWY 64 W	TYLER	32.363036	-95.420204	
			JOHNSON AVIATION	353 AIRPORT RD	TYLER	32.362525	-95.4027129
				353 AIRPORT RD	TYLER	32.362525	-95.4027129

**Database count for 75704**

ERNS	4	RCRA-G	2	TXAST	12
TXLUST	4	TXSPILL	4	TXUST	43

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75704</b>	<i>TXUST</i>	KIDD JONES 8	11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
			11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
			11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
			11421 HIGHWAY 64 W	TYLER	32.354467	-95.347917
		MEWBOURNE AVIATION DEPART	704 CR 1143	TYLER	32.360303	-95.3909773
			704 CR 1143	TYLER	32.360303	-95.3909773
		MINUTE STOP 1	11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
			11874 STATE HWY 64 W	TYLER	32.357838	-95.3631737
		NATIONAL CAR RENTAL	150 AIRPORT DR	TYLER	32.360089	-95.3989967
		STOP N SHOP	General Delivery	TYLER	32.398602	-95.4149003
			General Delivery	TYLER	32.398602	-95.4149003
			HWY 64 W	TYLER	32.363036	-95.420204
			HWY 64 W	TYLER	32.363036	-95.420204
		TYLER TURBINE SALES	1862 CR 1143	TYLER	32.356400	-95.3908186
			1862 CR 1143	TYLER	32.356400	-95.3908186
		TYLER TYR ATCT	POUNDS FIELD	TYLER	32.353889	-95.402222
		USA FOODS	General Delivery	TYLER	32.398602	-95.4149003
			General Delivery	TYLER	32.398602	-95.4149003
			General Delivery	TYLER	32.398602	-95.4149003

**Database count for 75706**

CERCLIS	1	CORRACT	1	ERNS	1
RCRA TSD	2	RCRA-G	4	TXAST	20
TXLUST	2	TXSPILL	12	TXUST	76

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75706</b>	CERCLIS	FM 14 DRUM SITE	4942 FM 14	TYLER	32.3911	-95.2853
	CORRACT	TYLER PIPE COMPANY A DIVISIO	11721 US HIGHWAY 69 N	TYLER	32.418594	-95.354949
	ERNS	TYLER PIPE COMPANY	SEE BELOW ADDRESS11721 US HIG	TYLER	0	0
	RCRA TSD	TYLER PIPE COMPANY A DIVISIO	11721 US HIGHWAY 69 N	TYLER	32.463061	-95.3864925
			11721 US HIGHWAY 69 N	TYLER	32.463061	-95.3864925
	RCRA-G	EAGLE CONSTRUCTION AND ENV	9547 US HIGHWAY 69 N	TYLER	32.463061	-95.3864925
		TARGET REGIONAL DISTRIBUTIO	13786 HARVEY ROAD	TYLER	32.465929	-95.4182968
		TYLER PIPE COMPANY A DIVISIO	11721 US HIGHWAY 69 N	TYLER	32.463061	-95.3864925
			11721 US HIGHWAY 69 N	TYLER	32.463061	-95.3864925
	TXAST	FWA TRANSPORTATION	HWY 69 N	TYLER	32.466513	-95.387689
		JOHN SOULES FOODS	10150 FM 14	TYLER	32.410384	-95.276204
			10150 FM 14	TYLER	32.410384	-95.276204
		OIL TRANSPORT	419 E NORTHEAST LOOP 323	TYLER	32.388318	-95.28281
		PUMPCO	11126 CR 490	TYLER	32.410771	-95.3491731
		STATES ENVIRONMENTAL OIL SE	CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
			CR 489	TYLER	32.414456	-95.34252
		STRIPING TECHNOLOGY	10112 CR 489	TYLER	32.411991	-95.3424519
		TRANSIT N PLANT 2069	9041 HIGHWAY 69 N	TYLER	32.404027	-95.348741
		TYLER ASPHALT	CR 489	TYLER	32.414456	-95.34252
		TYLER STATE PARK	General Delivery	TYLER	32.447338	-95.3311652
		WILSON-RILEY	9149 HWY 69 N	TYLER	32.466513	-95.387689
			9149 HWY 69 N	TYLER	32.466513	-95.387689
			9149 HWY 69 N	TYLER	32.466513	-95.387689
	TXLUST	JOHNNYS GARAGE CLOSED	110 N CLAYTON	TYLER	32.351186	-95.284367
		NU WAY OIL STORE 11135	11135 HWY 69	TYLER	32.428764	-95.363527
	TXSPILL	BAKER HUGHES ATLAS	FM 95, 1/8 MI SOUTH OF THE INTERS	Tyler		
			FM 95, 1/8 MI SOUTH OF THE INTERS	Tyler		
		EFB TRUCKING CO.	HWY 69 N.	TYLER		
		ELDORADO CHEMICAL	I-20 AT MILE MARKER 517 ALONG TH	Tyler	32.453475	-95.285985
			I-20 AT MILE MARKER 517 ALONG TH	TYLER	32.453475	-95.285985
		GENERIC INCIDENT PRINCIPAL	GENERIC INCIDENT ZIP CODE 75706	TYLER	0	0
		LETOURNEAU, INC	ON LETOURNEAU PLANT W OF HIG	LONGVIEW		
		MCWANE INC	11721 US HIGHWAY 69 N TYLER TX	TYLER	0	0
		STOVALL FERTILIZER	INTERSECTION FM 279 @ FM 2010,	Tyler	32.3671	-95.4377
			INTERSECTION FM 279 @ FM 2010,	Tyler	32.3671	-95.4377
		UDS / Total Petroleum	3512 S Main St # 69	Tyler	32.4421	-95.3668
			3512 S Main St # 69	Tyler	32.4421	-95.3668
	TXUST	BP BARNES	General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
		CO-OPERATIVE ROSE GROWERS	US HWY 69 NORTH ROUTE	TYLER	32.463199	-95.3833499
			US HWY 69 NORTH ROUTE	TYLER	32.463199	-95.3833499
			US HWY 69 NORTH ROUTE	TYLER	32.463199	-95.3833499
		DAVIS COFFEE	General Delivery	TYLER	32.447338	-95.3311652



**Database count for 75706**

CERCLIS	1	CORRACT	1	ERNS	1
RCRA TSD	2	RCRA-G	4	TXAST	20
TXLUST	2	TXSPILL	12	TXUST	76

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75706</b>	<i>TXUST</i>	DAY & NIGHT 82	13341 I 20 W	TYLER	32.469976	-95.358621
			13341 I 20 W	TYLER	32.469976	-95.358621
			13341 I 20 W	TYLER	32.469976	-95.358621
			13341 I 20 W	TYLER	32.469976	-95.358621
		FRANK HOLEY NURSERY	12999 CR 433	TYLER	32.455716	-95.4208062
		FWA TRANSPORTATION	HWY 69 N	TYLER	32.466513	-95.387689
			HWY 69 N	TYLER	32.466513	-95.387689
		JIM HOGG ROAD TEXACO	12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			12108 INTERSTATE 20 W	TYLER	32.469976	-95.358621
		JOE EDDIE HITT	390 CR 313 W	TYLER	32.488340	-95.2824578
			390 CR 313 W	TYLER	32.488340	-95.2824578
		JOHN SOULES FOODS	10150 FM 14	TYLER	32.410384	-95.276204
		KIDD JONES 10	13411 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			13411 INTERSTATE 20 W	TYLER	32.469976	-95.358621
			13411 INTERSTATE 20 W	TYLER	32.469976	-95.358621
		KING MART 2	8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
			8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
			8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
			8175 US HIGHWAY 69 N	TYLER	32.400512	-95.341792
		LOFT BAR B Q	I 20 & HWY 14	TYLER	31.311986	-96.6303878
			I 20 & HWY 14	TYLER	31.311986	-96.6303878
		PAYLESS GAS 620	1201 SPEIGHT	WACO	31.539819	-97.125406
			1201 SPEIGHT	WACO	31.539819	-97.125406
		PILOT TRAVEL CENTER 486	12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
			12881 FM 14	TYLER	32.451744	-95.284507
		RABIAS MART	11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
			11369 US HIGHWAY 69 N	TYLER	32.430246	-95.365414
		ROBERT C JACKSON	12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
			12816 FM 14	TYLER	32.45133	-95.281892
		SAND FLANT UNIT	FM 14 10MI S OF TYLER	TYLER	32.447338	-95.3311652
		SEXTON ROSES	10076 US HIGHWAY 69 N	TYLER	32.410839	-95.346997
		STATE PARK GROCERY	14910 FM 14	TYLER	32.481922	-95.279267
			14910 FM 14	TYLER	32.481922	-95.279267
			14910 FM 14	TYLER	32.481922	-95.279267
		TYLER FUEL PLAZA	3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236

**Database count for 75706**

CERCLIS	1	CORRACT	1	ERNS	1
RCRA TSD	2	RCRA-G	4	TXAST	20
TXLUST	2	TXSPILL	12	TXUST	76

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75706</b>	<i>TXUST</i>	TYLER FUEL PLAZA	3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
			3512 S MAIN ST	TYLER	32.469338	-95.387236
		TYLER STATE PARK	General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
		UNITED FUEL & ENGERGY SFS Y	10449 HWY 69 N	TYLER	32.466513	-95.387689
			10449 HWY 69 N	TYLER	32.466513	-95.387689
		UNITY 6	General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
			General Delivery	TYLER	32.447338	-95.3311652
		WILSON-RILEY	General Delivery	TYLER	32.447338	-95.3311652
		YELLOW TRANSPORTATION	3722 N NORTHEAST LOOP 323	TYLER	32.385972	-95.268706

**Database count for 75771**

DRYC	3	RCRA-G	2	TXAST	8
TXLF	1	TXLUST	16	TXSPILL	8
TXUST	94				

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75771</b>	<i>DRYC</i>	LINDALE CLEANERS	1406 S MAIN ST	LINDALE	32.502648	-95.406198
			FM 849 @ I 20	LINDALE	32.516287	-95.4004723
		VIP CLEANERS - LINDALE	903A S MAIN ST	LINDALE	32.507728	-95.4081199
	<i>RCRA-G</i>	HAWLEY SANITATION	16988 COUNTY ROAD 476	LINDALE	32.514803	-95.445846
		WAL-MART STORES TEXAS LLC	105 CENTENNIAL BLVD	LINDALE	32.475626	-95.389503
		LOWES OF LINDALE TX 1965	3200 S MAIN ST	LINDALE	32.474752	-95.3911366
	<i>TXAST</i>	R OASIS	14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
		SMITH CO PRECINCT FOUR	CR 4112	LINDALE	32.529091	-95.4091575
		TRANSPORTATION GARAGE	605 BRAD CIR	LINDALE	32.506138	-95.4055929
			605 BRAD CIR	LINDALE	32.506138	-95.4055929
	<i>TXLF</i>	HAWLEY RECYCLING	16988 COUNTY ROAD 476 LINDALE,	SMITH	32.51611	-95.44583
	<i>TXLUST</i>	ABANDONED STATION GILLIS FA	CR 445 GARDEN VALLEY COMMUNI	GARDEN VALL	32.5372	-95.5274
		ALLEN CANNING CO	200 NORTH ST	LINDALE	32.517312	-95.411261
		BILL PARROTT	COOPER ST @ HWY 69	LINDALE	32.510194	-95.40927
		CHEVRON CORNER MARKET	147 I H 20	LINDALE	32.46875	-95.447543
		CITY OF LINDALE	201 N MAIN	LINDALE	32.5129	-95.4341
		HIDE A WAY LAKE CLUB MARINA	HIDE A WAY LN W	LINDALE	32.4841	-95.4638
		KIDD JONES LINDALE	303 S MAIN ST	LINDALE	32.5129	-95.4341
		LOVES COUNTRY STORE 225	I 20 @ HWY 110	LINDALE	32.46875	-95.447543
		M & M TRUCK STOP	310 N MAIN ST	LINDALE	32.517701	-95.409966
		NUWAY FFP 247	907 S MAIN	LINDALE	32.5129	-95.4341
		RITE TRACK 9	18562 FM 14	LINDALE	32.532	-95.2711
		ROAD RUNNER 109	IH 20 @ HWY 69 N	TYLER	32.453475	-95.285985
		RUNNING W TRUCK STOP	24782 W IH 20	LINDALE	32.499716	-95.584357
		SMITH COUNTY ROAD DEPT LIND	COUNTY RD 4112	LINDALE	32.533	-95.4084
		TEXACO SERVICE STATION	IH 20 @ HWY 69	LINDALE	32.46875	-95.447543
		TOTAL STORE 4539	3512 S MAIN ST	LINDALE	32.469373	-95.387801
	<i>TXSPILL</i>	ALLEN CANNING CO.	PLATFORM SCALE AREA, LINDALE P	LINDALE		
		DORA BRYANT	COUNTY RD. 433, 0.5 MI S OF FM 849	LINDALE	32.493992	-95.421729
		GATEWAY FENCE CO.	18552 HWY 69 N, LINDALE, TX 75771	LINDALE		
			18552 HWY 69 N. LINDALE	LINDALE		
		MEGA GULF COAST LINES INC	GENERIC INCIDENT ZIP CODE 75771	LINDALE	0	0
	<i>TXUST</i>	Quality Liquid Feeds	Corner of Houston & Jackson Streets, S Lindale			
			Corner of Houston & Jackson Streets, S Lindale			
		TEXAS DEPARTMENT OF TRANSP	GENERIC INCIDENT ZIP CODE 75771	LINDALE	0	0
		882 CO LINDALE SWAN	HWY 69	LINDALE	32.509009	-95.408851
		ABANDONED STATION	CR 445	GARDEN VALL	32.544846	-95.5251648
		ALLEN CANNING COMPANY	200 W NORTH ST	LINDALE	32.517351	-95.4112136
			200 W NORTH ST	LINDALE	32.517351	-95.4112136
		ARMADILLO COUNTRY STORE 17	24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			24782 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
		BOBBY L WELLS	RT 3	LINDALE	30.867659	-94.6943444
		BORAL HENDERSON CLAY PROD	General Delivery	LINDALE	32.515697	-95.4093998
			General Delivery	LINDALE	32.515697	-95.4093998
		BROOKSHIRE GROCERY 3	521 S MAIN ST	LINDALE	32.509666	-95.408515

**Database count for 75771**

DRYC	3	RCRA-G	2	TXAST	8
TXLF	1	TXLUST	16	TXSPILL	8
TXUST	94				

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75771</b>	<i>TXUST</i>	CITY OF LINDALE	201 N MAIN ST	LINDALE	32.517128	-95.4099647
			201 N MAIN ST	LINDALE	32.517128	-95.4099647
			201 N MAIN ST	LINDALE	32.517128	-95.4099647
		CREWS N BUY MART	907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
			907 S MAIN ST	LINDALE	32.507112	-95.408526
		GARDEN VALLEY GOLF CLUB	22049 FM 1995	LINDALE	32.483715	-95.53998
			22049 FM 1995	LINDALE	32.483715	-95.53998
		GOLF COURSE MAINT BARN	SERVICE TO IH 20 RD	LINDALE	32.515697	-95.4093998
			SERVICE TO IH 20 RD	LINDALE	32.515697	-95.4093998
		HIDE-A-WAY CLUB MARINA	1259 HIDEAWAY LN W	HIDEAWAY	32.49923	-95.453897
		KEN WILLIAMS EXXON	206 S MAIN HWY 69	LINDALE	32.515697	-95.4093998
			206 S MAIN HWY 69	LINDALE	32.515697	-95.4093998
			206 S MAIN HWY 69	LINDALE	32.515697	-95.4093998
		KIDD JONES LINDALE	303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
			303 S MAIN ST	LINDALE	32.513376	-95.4091981
		LAST DAYS EVANGELICAL ASSO LINDALE PLANT	General Delivery	LINDALE	32.515697	-95.4093998
			HWY 69	LINDALE	32.509009	-95.408851
			HWY 69	LINDALE	32.509009	-95.408851
		LINDALE STATE BANK	107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
			107 N MAIN ST	LINDALE	32.516180	-95.4097615
		LINDALE TXD980598999	2 5 MI NE OF LINDALE	LINDALE	32.515697	-95.4093998
		LOVES COUNTRY STORE 225	I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
			I 20 & SR 110	LINDALE	32.515697	-95.4093998
		M & M TRUCK STOP	310 N MAIN	LINDALE	32.51822	-95.410571
			310 N MAIN	LINDALE	32.51822	-95.410571
			310 N MAIN	LINDALE	32.51822	-95.410571
		MAINTENANCE GARAGE	BOYD ST	LINDALE	32.510078	-95.4126511
		MEA NURSERY	N HWY 69	LINDALE	32.541852	-95.419957
			N HWY 69	LINDALE	32.541852	-95.419957
			N HWY 69	LINDALE	32.541852	-95.419957
		MURPHY USA 7255	2318 S MAIN ST	LINDALE	32.484913	-95.3968308

**Database count for 75771**

DRYC	3	RCRA-G	2	TXAST	8
TXLF	1	TXLUST	16	TXSPILL	8
TXUST	94				

FACZIP	DATABASE	SITENAME	ADDRESS	CITY	LATITUDE	LONGITUDE
<b>75771</b>	<i>TXUST</i>	MURPHY USA 7255	2318 S MAIN ST	LINDALE	32.484913	-95.3968308
		POPS FUEL STOP	802 N MAIN	LINDALE	32.523784	-95.411955
			802 N MAIN	LINDALE	32.523784	-95.411955
			802 N MAIN	LINDALE	32.523784	-95.411955
		QUIX 493 COUNTRY STORE	17080 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			17080 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			17080 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
		R OASIS	14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
			14773 STATE HIGHWAY 110 N	LINDALE	32.482386	-95.52266
		R TIGER EXPRESS	21126 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			21126 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
			21126 INTERSTATE 20 W	LINDALE	32.487786	-91.9773831
		RACETRAC 406	3318 S MAIN ST	LINDALE	32.471523	-95.388882
			3318 S MAIN ST	LINDALE	32.471523	-95.388882
			3318 S MAIN ST	LINDALE	32.471523	-95.388882
		RITE TRACK 9	18562 FM 14	LINDALE	32.535563	-95.270554
			18562 FM 14	LINDALE	32.535563	-95.270554
		SMITH CO PRECINCT FOUR	CR 4112	LINDALE	32.529091	-95.4091575
			CR 4112	LINDALE	32.529091	-95.4091575
		STUCKEYS	I 20 & HWY 110	LINDALE	32.515697	-95.4093998
			I 20 & HWY 110	LINDALE	32.515697	-95.4093998
			I 20 & HWY 110	LINDALE	32.515697	-95.4093998
		TRANSPORTATION GARAGE	605 BRAD CIR	LINDALE	32.506138	-95.4055929
		TWIN OAKS RANCH	W HWY 16	LINDALE	32.515697	-95.4093998
		VACANT	HWY 69 & COOPER	LINDALE	32.510226	-95.4085983
			HWY 69 & COOPER	LINDALE	32.510226	-95.4085983
			HWY 69 & COOPER	LINDALE	32.510226	-95.4085983
		VACANT STORE	910 S MAIN ST	LINDALE	32.507684	-95.4081115
			910 S MAIN ST	LINDALE	32.507684	-95.4081115
		WAL-MART SUPERCENTER 3764	105 CENTENNIAL BLVD	LINDALE	32.475626	-95.389503